SealXpert® Products
Engineered Solutions for the Pipeline Industries

SealXpert® Products offer a range of proven maintenance and repair products that are unique in pipeline service. These products eliminate or minimize the cost of plants and equipment downtime.

Our range of maintenance and repair products are used for leak repair, corrosion protection, corrosion repair and reinforcement, parts repair and rebuilding, corrosion and wear coating, asset maintenance, fire protection, pipeline rehabilitation, etc. Each of the products are engineered to be applied on many applications.

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Wrap Seal® Quick Repair Kit for Pipe Leaks

Features:
- Repairs leak in 30 minutes
- Applicable to pipes up to 18” (457 mm) diameter
- Applicable on any metal or non-metal pipes
- Repairs f-joint, elbow joint, valve thread, valve body
- Withstand pressure up to 400 psi (28 kg/cm²)
- Withstand temperature up to 200 °C (392 °F)
- Safe for drinking water and resistant to most chemicals
- Reinforce and strengthen pipe after repair
- Permanent repair and extend service life of pipes

Technical data:
- Pressure tested: 1/2” (15 mm) steel pipe with 1/8” (3 mm) hole when repaired with Wrap Seal® withstands 4,000 psi (28 kg/cm²)
- Operating temperature: -50 °C to 200 °C (-58 °F to 392 °F)
- Tensile strength: 3,920 psi (276 kg/cm²)
- Bond strength: 230 psi (16 kg/cm²)
- Compression strength: 13,750 ± 530 psi (967 ± 37 kg/cm²)
- Yield strength: 2,260 psi (159 kg/cm²)
- Cured hardness: 82 Shore D

Product selection guide:

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<tr>
<th>Pipe size</th>
<th>Number of rolls / size required</th>
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<td>50 psi (4 kg/cm²) 10 plys</td>
<td>150 psi (11 kg/cm²) 15 plys</td>
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<td>4” (100mm)</td>
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Pipe size | Number of rolls / size required |
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<tr>
<td>18” (450mm)</td>
<td>5</td>
</tr>
<tr>
<td>&gt;18” (450mm)</td>
<td>Contact SealXpert™ for recommendations</td>
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</tbody>
</table>

Wrap Seal® Offline Leak Repair Procedure:

1. Stop the pipe flow
2. Roughen the area to be repaired
3. Knead the Seal Stic®
4. Apply the Seal Stic® to fill in holes or crack of the damaged or leak area.
5. Immerse the Wrap Seal® Fiberglass Tape into water
6. Wrap the Wrap Seal® Fiberglass Tape around the repair area as tightly and evenly as possible, using the entire roll
7. Discard the plastic tube at the end of the roll
8. Wet gloves in water and quickly compress the bubbling resins back into the fiberglass wrap
9. Continue to polish the wrap until all bubbling has stopped. Repair completed with smooth and hard ivory appearance

Application:
- Pipe repairs:
  - offline repairs
  - sealing joints
  - hazardous material spill control
  - reinforce thinning walls
  - Abrasion protection
  - Structural reinforcement
  - Repairs in hard to reach areas
  - Underwater repairs

Package:
- 1 roll of Wrap Seal® Fiberglass Tape
- 1 pair of latex gloves
- Operating instruction

Roll size:

- (2” x 5’) (50mm x 1.5m)
- (2” x 6’) (50mm x 1.8m)
- (2” x 12’) (100mm x 3.6m)
Wrap Seal® ULTRA Quick Repair Kit for Active Pipe Leaks

**Features:**
- Repairs under active leak up to 150 psi (11 kg/cm²) pressure
- No shutdown required
- Works on any metal or non-metal pipes
- Applicable to pipes up to 18" (457 mm) diameter
- Repairs leak in 15 minutes
- Withstand pressure up to 500 psi (35 kg/cm²)
- Withstand temperature up to 200 °C (392 °F)
- Safe for drinking water and resistant to most chemicals
- Ideal for pipeline reinforcement
- Repairs in hard to reach areas
- Reinforce thinning walls
- Withstand pressure up to 500 psi
- Repairs under active leak up to 150 psi
- Repair completed with smooth and hard ivory appearance

**Technical data:**
- Operating temperature: -50 °C to 200 °C (-58 °F to 392 °F)
- Tensile strength: 3,920 psi (276 kg/cm²)
- Bond strength: 230 psi (16 kg/cm²)
- Compression strength: 13,750 ± 530 psi (967 ± 37 kg/cm²)
- Yield strength: 2,260 psi (159 kg/cm²)
- Cured hardness: 82 Shore D
- Dielectric strength: 400 Volts/mil

**Product selection guide:**

<table>
<thead>
<tr>
<th>Pipe size</th>
<th>Number of rolls / size required</th>
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</tr>
<tr>
<td>⅜&quot; (20mm)</td>
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<td>1&quot; (25mm)</td>
<td>10 plies 15 ps 20 plies</td>
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<td>10 plies 15 ps 20 plies</td>
</tr>
<tr>
<td>2½&quot; (65mm)</td>
<td>10 plies 15 ps 20 plies</td>
</tr>
<tr>
<td>3&quot; (80mm)</td>
<td>10 plies 15 ps 20 plies</td>
</tr>
<tr>
<td>4&quot; (100mm)</td>
<td>10 plies 15 ps 20 plies</td>
</tr>
</tbody>
</table>

* Colour denotes roll size.

**Wrap Seal® ULTRA Active Leak Repair Procedure:**

1. Minimize the flow rate and reduce system pressure
2. Roughen the area to be repaired
3. Knead the Seal Stic®
4. Place the Seal Stic® away from the leak location
5. Start wrapping the SealXpert® Ultra Sealing Tape a few distances away from the leak location
6. Continue to wrap SealXpert® Ultra Sealing Tape onto pipe while pushing the Seal Stic® onto leak location
7. Immerse Wrap Seal® Fiberglass Tape into water
8. Wrap the Wrap Seal® Fiberglass Tape above the repair tape as tightly and evenly as possible, using the entire roll
9. Discard the plastic tube at the end of the roll
10. Wet gloves in water and quickly compress the bubbling resins back into the fiberglass wrap until all bubbling has stopped. Repair completed with smooth and hard ivory appearance

**Application:**
- Pipe repairs:
  - active pipe leaks
  - sealing joints
  - hazardous material spill control
  - reinforce thinning walls
  - Repairs in hard to reach areas
  - Underwater repairs

**Package:**
- 1 roll of Wrap Seal® Fiberglass Tape
  - [WSU0204] 2" x 6' (50 mm x 1.8 m)
  - [WSU0212] 2" x 12' (50 mm x 3.6 m)
  - [WSU0309] 3" x 9" (75 mm x 2.7 m)
  - [WSU0412] 4" x 12' (100 mm x 3.6 m)
- 1 unit of Seal Stic® Quick Cure Epoxy
- 1 pair of latex gloves
- Operating instruction

**Contact SealXpert™ for recommendations**
Composite Leak Repair

**Composite Repair for Pipe and Tank Leaks:**
- Customized solution for through wall defects for pipes and tank walls
- Compliant installed by trained and certified applicators
- Engineering Calculation Report for each repair
- Method of Statement for each repair
- Compliance to ISO/TS 24817 and ASME PCC2 standards
- Provide excellent strength, bonding and chemical resistance
- Warranty for 20 years

**First stage: Surface preparation**
- Clean affected pipe / tank wall surface to St3 standard.
- Prepare surface roughness to approximately 60 to 80 microns

**Second stage: Select suitable interface filler material and restraining material**
- Select suitable interface filler material (e.g. SS106) to cover leak area
- Select suitable restraining material (e.g. SealXpert® Stainless Steel Pipe Clip with stainless steel sheet metal) to arrest leak

**Third stage: Select suitable repair and rebuild compound**
- Select suitable repair and rebuild compound (e.g. PS102) to coat affected pipe / tank wall surface

**Fourth stage: Select suitable reinforcement wrapping material**
- Select suitable reinforcement wrapping material (e.g. Wrap Seal PLUS® Fiberglass Repair Tape)
- Installed wrapping thickness is calculated based on ISO/TS 24817 and ASME PCC2 Standards
SealXpert® Ultra Sealing Tape

Features:
- Seals active pipe leaks up to 150 psi (11 kg/cm²)
- High tensile and dielectric strength
- Superior bonding properties
- Bond to itself, no adhesive required
- Excellent air and moisture control
- Seals irregular shapes
- Flame-retardant
- Resists weathering

Technical data:
- Thickness: 0.02" (0.5 mm)
- Operating temperature: -50 °C to 180 °C (-58 °F to 356 °F)
- Tensile strength: 700 psi (49 kg/cm²)
- Elongation, Min.: 300%
- Specific gravity: 1.17
- Volume resistivity: $1 \times 10^{13} \Omega/cm$
- Water absorption: 3% by weight
- Dielectric strength: 400 Volts/mil
- Hardness: 50 Shore A
- Break strength: 40 lbs (18 kg)

Application:
- Permanent air-tight and water-tight seal in emergency situations
- Designed for quick plumbing repairs, sealing hoses, emergency O-ring, seals or to insulate electrical wiring
- Use for active pipe leak repairs, leaking joints and hazardous material spill control

Package:
- [UST2505] 1" x 16' (25 mm X 5 m)
- [UST2510] 1" x 33' (25 mm X 10 m)
- [UST3205] 1¼" x 16' (32 mm X 5 m)
- [UST3210] 1¼" x 33' (32 mm X 10 m)
- [UST5005] 2" x 16' (50 mm X 5 m)
- [UST5010] 2" x 33' (50 mm X 10 m)

SealXpert® Stainless Steel Pipe Clip

Features:
- Makes pipe clips from 2" (50 mm) to 382" (9,703 mm)
- Easy to use
- Versatile and fast to install
- No special tool is required
- Stainless steel 304 material
- Free to cut to any diameters required

Technical data:
- Material grade: All stainless steel 304
- Band length: 100' (30.5 m)
- Band width: 0.5" (12.7 mm)
- Head: 0.3" (7.9 mm) slotted hex head screw
- Closure components: 0.6" (14.2 mm) wide fastener & screw housing assembly

Application:
- For securing, mounting, strapping, clamping and positioning
- Can be used for all conventional clamping jobs
- Make any sizes from 2" (50 mm) diameter to 382" (9,703 mm) diameter within seconds

Package:
- [SSC5100] 100' (30.5 m) continuous length of stainless steel band
- 25 adjustable fasteners (worm drive buckles)
- 10 band splices
- Weight: 3kg per set
- [SSCS] SealXpert® Stainless Steel Adjustable Clips (Extra Sets)

SealXpert® Stainless Steel Pipe Clip Installation Procedure:

1. Determine actual band length
2. Measure band to proper length and cut through center of nearest round hole with shears, snips, hacksaw, etc.
3. Engage one screw housing end to one perforated end by turning screw three or four times
4. Complete the clamp by diagonally inserting the ends of the engaged fastener assembly to the band through the tops of the square holes at each end of the band
5. Tighten finished clamp
Wrap Clamp™ WC1/WC2 Leak Repair Clamps

**Features:**
- WC1: Single side locking clamp
- WC2: Two side locking clamp
- Easy to handle, quick and simple to install
- No special tools or expertise required
- Stainless steel 304 material

**Application:**
- WC1: Applicable for pipeline pressure up to 363 psi (26 kg/cm²)
- WC2: Applicable for pipeline pressure up to 174 psi (12 kg/cm²)
- Suitable for all pipe materials
- Acts as compensator for thermal expansion and damps vibration
- Operating temperature: NBR: -20 °C (-4 °F) to 100 °C (212 °F)

**Sizes and technical data:**

### WC1 Leak Repair Clamps

<table>
<thead>
<tr>
<th>Model</th>
<th>O.D.</th>
<th>O.D. Range</th>
<th>Length, L</th>
<th>Max Expansion Distance</th>
<th>MAX Pipe Distance (for Connection), G</th>
<th>Pressure (psi (kg/cm²))</th>
<th>Weight (kg)</th>
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<td>33-35</td>
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<td>WC1-32A60</td>
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<td>42-44</td>
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<td>15 ± 10</td>
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<th>MAX Pipe Distance (for Connection), G</th>
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<td>1216-1221</td>
<td>255</td>
<td>180</td>
<td>35 ± 25</td>
<td>101 (7)</td>
</tr>
</tbody>
</table>

**Components and Materials:**

<table>
<thead>
<tr>
<th>No</th>
<th>Components</th>
<th>Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Casing</td>
<td>SUS 304</td>
</tr>
<tr>
<td>2</td>
<td>Rubber Sleeve</td>
<td>NBR</td>
</tr>
<tr>
<td>3</td>
<td>Slade Plate</td>
<td>SUS 304</td>
</tr>
<tr>
<td>4</td>
<td>Threaded Rod</td>
<td>SUS 304</td>
</tr>
<tr>
<td>5</td>
<td>Bolts</td>
<td>SUS 304</td>
</tr>
</tbody>
</table>
LEAK REPAIR

SealXpert® Repair Patch

Features:
- Easy to use, fast installation
- Hardens to a tough, durable waterproof finish in minutes
- Excellent adhesion to iron, steel, stainless steel, titanium, fiberglass, aluminum, wood, ceramics, composites, acrylics, PVC, and most other plastics

Technical data:
- Tensile strength: 10,000 psi (703 kg/cm²)
- Tensile modulus: 192,000 psi (13499 kg/cm²)
- Tensile elongation: 15-25%
- Dielectric strength: 250 volts/mils
- Flexural strength: 19,000 psi (1336 kg/cm²)
- Hardness: 70 Shore D

Application:
- Makes permanent, waterproof field repairs to pipes, tanks, vessels, and containers

Package:
- [PP0812] 8 cm x 12 cm

SealXpert® Repair Patch Application Procedure:
1. Leak on flat surface
2. Roughen the area to be repaired
3. Apply Seal Stic® to fill in holes or crack of the damaged or leak area
4. Immerse the SealXpert® Repair Patch into water
5. Apply SealXpert® Repair Patch onto the affected area

SealXpert® Expanded PTFE Tape

Features:
- Gasket tape made from pure, expanded, virgin PTFE
- Supplied with adhesive backing
- Quick and simple to install
- Reduced down time

Technical data:
- Colour: White
- Thickness: 0.2" (5 mm)
- Density: 0.65 g/cm³, ±0.1 g/cm³ (for rectangular cross sections only)
- Others: Physiologically harmless. It has no smell or taste. It is neither contaminating nor toxic

Application:
- Used in a wide variety of static application in nearly all kind of industries
- The exceptional malleability of expanded PTFE can compensate for out-of-parallel and/or damaged sealing surfaces and allows use with stress sensitive connections and applications where only a limited flange load is available
- Sealing of flanges, pump housings, compressors, hand-holes and manholes, air ducts, compensators, heat exchangers and etc.

Package:
- [PTFE05] 2" x 10' (50 mm x 3 m)

SealXpert® Expanded PTFE Tape Application Procedure:
(For contact with aggressive chemicals and high temperature in leak repair applications)
1. Stop the pipe flow
2. Roughen the area to be repaired
3. Apply SealXpert® Expanded PTFE Tape with a stainless steel sheet metal
4. Restrain stainless steel sheet metal with SealXpert® Stainless Steel Pipe Clip
Wrap Seal PLUS® Resin and Activator

Features:
- Corrosion barrier and isolator
- High adhesion strength
- Excellent alkali and acid resistance
- Ease of application by using paint rollers and paint brush
- Applicable for pipes, tanks, and large surfaces

Technical data:
- Colour: - Resin: Natural
  - Activator: Straw colour
- Viscosity: 20,000 – 40,000 cps at 21 °C (70 °F)
- Specific gravity: 1.85
- Compressive strength: 24,500 psi (172.3 kg/cm²)
- Tensile strength: 35,000 psi (246.1 kg/cm²)
- Bond strength: 2,900 psi (204 kg/cm²)
- Flexural strength: 42,000 psi (2,953 kg/cm²)
- Flexural modulus: 1.6 x 10⁶ psi (112,491 kg/cm²)
- Barcol hardness: 40 - 50 Shore D
- Coverage area (per set): 0.15 m² at 3 mm thickness

Application:
- Applied as corrosion coating on pipes, storage tanks, vessels, exhaust lines, bulkheads, machineries, joints, and large surfaces.
- Applied with Wrap Seal PLUS® Uncoated Fiberglass Tape, Chopped Strand Mat or Surface Tissue for reinforcement, bonding and lamination

Package:
- [WSP500]
  - 1 can of Wrap Seal PLUS® Resin
  - 1 bottle of Wrap Seal PLUS® Activator
  - Gross weight: 500 gm (1.1 lb)

Wrap Seal PLUS® Fiberglass Repair Tape

Features:
- Remediate, repairs and reinforces
- Durable, strong and permanent
- Restore pipes to original strength

Technical data:
- Tensile modulus: 3.8 x 10⁶ psi (267,166 kg/cm²)
- Tensile strength: 65,000 psi (457 kg/cm²)
- Flexural modulus: 3.6 x 10⁶ psi (253,105 kg/cm²)
- Flexural strength: 53,100 psi (373 kg/cm²)
- Compressive strength: 28,500 psi (2,004 kg/cm²)
- Dielectric strength: 20,000 Volts
- Hardness: 85 Shore D

Application:
- Applied onto thinning pipe walls for pipeline reinforcement
- Improve hoop strength of pipeline after repair
- Suitable for pipe diameter up to 60” (1,524 mm)
- Applicable for pipeline temperature up to 280 °C (536 °F)

Package:
- [WS0205PLUS] 2” x 5’ (50 mm x 1.5 m)
- [WS0206PLUS] 2” x 6’ (50 mm x 1.8 m)
- [WS0212PLUS] 2” x 12’ (50 mm x 3.6 m)
- [WS0309PLUS] 3” x 9’ (75 mm x 2.7 m)
- [WS0412PLUS] 4” x 12’ (100 mm x 3.6 m)
- [WS0420PLUS] 4” x 20’ (100 mm x 6.0 m)
- [WS0430PLUS] 4” x 30’ (100 mm x 9.0 m)
- [WS0620PLUS] 6” x 20’ (150 mm x 6.0 m)
- [WS0630PLUS] 6” x 30’ (150 mm x 9.0 m)

Wrap Seal PLUS® Uncoated Fiberglass Tape / Glass Cloth

Features:
- Made by weaving yarn into cloth on a loom state
- Suitable for tube, tanks, pipes and structural products with high strength and high fiber content
- Not hazardous
- Designed for use in filament winding applications with epoxy resin systems

Technical data:
- Glass type: E-Glass
- Weight: 156 gm/m²
- Thickness - Fiberglass Tape: 0.75 mm
- - Glass Cloth: 0.50 mm
- Weft: 14 yarns/inch
- Warp: 17 yarns/inch
- Weaving pattern: Plain
- Tensile strength - Weft: 430 N/cm
- -warp: 520 N/cm
- Softening point: 840 °C (1,544 °F)
- Max. moisture absorption rate: 0.3 %

Application:
- Specially designed for use in filament winding applications with epoxy resin systems

Package:
- Wrap Seal PLUS® Uncoated Fiberglass Tape
  - [WS2100] 2” x 12’ (50 mm x 100 m)
  - [WS4100] 4” x 328’ (100 mm x 100 m)
- Wrap Seal PLUS® Glass Cloth
  - [GC1000] 39” x 39” (1 m x 1 m)
Wrap Seal PLUS® Corrosion Repair Procedure for Pipes:

1. Corroded pipe surface
2. Roughen the area to be repaired
3. Mix and stir Wrap Seal PLUS® Resin and Activator for at least 1 minute until well mixed
4. Apply two coats of activated resin evenly over the area to be repaired and allow to cure
5. Immerse Wrap Seal PLUS® Fiberglass Repair Tape into water
6. Wrap the fiberglass repair tape as tightly and evenly as possible, with at least 50% overlap over affected pipe length
7. Discard the plastic tube at the end of the roll
8. Wet gloves in water and quickly compress the bubbling resins back into the fiberglass wrap until all bubbling has stopped. Repair completed with smooth and hard ivory appearance

Wrap Seal PLUS® Chopped Strand Mat

Features:
- Excellent conformability and handling
- Excellent weight uniformity
- Good mechanical properties
- Good laminate smoothness
- Non-hazardous

Technical data:
- Appearance and odour: White / Off-white colored solid with odour
- Density: 450 g/m²
- Thickness: 0.5 mm

Application:
- Applied with Wrap Seal PLUS® Resin and Activator to provide high tensile strength, impact, abrasion and corrosion resistance for large surfaces with low curvatures (storage tanks, vassals, etc.)
- Designed as surface rebuilding over large surfaces

Package:
- [CM450] 39” x 210’ (1 m x 64 m)
- [CM450A] 39” x 3’ (1 m x 1 m)

Wrap Seal PLUS® Surface Tissue

Features:
- Excellent fiber distribution
- Good tear strength
- Good tensile strength
- Excellent weather-proofing
- Imposed seepage resistance
- Longer service life
- Non-hazardous

Technical data:
- Appearance and odour: White / Off-white colored solid with odour
- Glass type: C
- Fiber diameter: 12.5μ ± 1
- Binder type: Styrene-acrylic
- Thickness: 0.01” (0.25 mm)

Application:
- Applied with Wrap Seal PLUS® Resin and Activator to provide high tensile strength, impact, abrasion, and corrosion resistance for large surfaces (storage tanks, vassals, etc.)
- Designed to be used as a surfacing tissue to provide a gel-coat/resin reinforcement and a smooth resin-rich surface to the composite

Package:
- [ST200] 39” x 656’ (1 m x 200 m)
**Wrap Seal PLUS® Corrosion Repair Procedure for Flat Surfaces and Tank:**

1. Corroded surface
2. Roughen the area to be repaired
3. Mix and stir Wrap Seal PLUS® Resin and Activator for at least 1 minute until well mixed
4. Apply two coats of activated resin evenly over the area to be repaired and allow to cure
5. Apply several layers of Wrap Seal PLUS® Surface Tissue or Wrap Seal PLUS® Chopped Strand Mat onto the affected area

**Composite Corrosion Repair**

**Composite Repair for Pipeline Reinforcement:**
- Customized solution for thin wall defects for pipes and tank walls
- Compliant installed by trained and certified applicators
- Suitable for wall loss up to 80%
- Engineering Calculation Report for each repair
- Method of Statement for each repair
- Compliance to ISO/ TS 24817 and ASME PCC2 standards
- Provide excellent strength, corrosion and chemical resistance
- Warranty for 20 years

**First stage: Surface preparation**
- Clean affected pipe / tank wall surface to St3 standard.
- Prepare surface roughness to approximately 60 to 80 microns

**Second stage: Select suitable coating / repair and rebuilding compound**
- Select suitable coating / repair and rebuilding compound (e.g. Wrap Seal PLUS® Resin and Activator) to coat on affected area

**Third stage: Select suitable reinforcement wrapping material**
- Select suitable reinforcement wrapping material (e.g. Wrap Seal PLUS® Fiberglass Repair Tape)
- Installed wrapping thickness is calculated based on ISO/ TS 24817 and ASME PCC2 Standards
SealXpert® Underwater Petro Paste

Features:
- Petroleum based compound
- Contains no Volatile Organic Compounds
- Can be applied by inexperienced personnel
- No shut downs or cure time is necessary

Technical data:
- Solid content: 100%
- Flash point: > 180 °C (> 356 °F)
- Specific gravity: 1.08
- Specific volume: 925 cc/kg
- Coverage: 2-5mm²/kg
- Temperature range:
  - For application: 5 °C (41 °F)
  - For service: -25°C to 50°C (-13 °F to 122 °F)

Application:
- Can be applied to marginally prepared surfaces (SSPC SP 2-3)
- Applied to very wet or underwater surfaces
- May be applied underwater by gloved hand, stiff bristle brush or roller
- Preparation of metal surfaces underwater prior to the application of SealXpert® Petro Tapes

Package:
- [UWPP] 2.5kg

SealXpert® Mastic

Features:
- Non-hardening and non-cracking
- Highly resistant to mineral acids, alkalis, salts and micro-organisms
- Highly impermeable to water, water vapour and gases
- Used for the protection of buried or exposed pipes, rods, cables, valves and metal fittings from corrosion

Technical data:
- Dielectric strength: 250 Volts/mil
- Thickness: 1.1 mm
- Elongation at break: 20 %
- Flash point: > 40 °C (104 °F)
- Water vapour transmission: < 1.0 Ng/Pa.S.m²
- Petroleum components: 60 %
- Drop melting points: 84 °C (183 °F)
- Cone penetration: 6.3 mm

Application:
- Protection of surfaces, mains, cables and all metal work, both below and above ground
- Water proofing seal for temporary cable joints and openings
- Protection of grafts in horticulture
- Repair and protect such items as gutters, down pipes, cracks in asbestos roofing
- Seal glazing bars and cracks in glass

Package:
- [SM025] 2.5kg

SealXpert® Petro Tape

Features:
- Non-hardening and non-cracking
- Highly resistant to mineral acids, alkalis, salts and micro-organisms
- Highly impermeable to water, water vapour and gases
- Used for the protection of buried or exposed pipes, rods, cables, valves and metal fittings from corrosion

Technical data:
- Colour: Hard brown
- Specific gravity: 1.39
- Specific volume: 720 cm³ /kg
- Flash point: >180 °C (>356 °F)
- Water vapour transmission: < 1.0 Ng/Pa.S.m²
- Petroleum components: 60 %
- Drop melting points: 84 °C (183 °F)
- Cone penetration: 6.3 mm

Application:
- Protection of surfaces, mains, cables and all metal work, both below and above ground
- Water proofing seal for temporary cable joints and openings
- Protection of grafts in horticulture
- Repair and protect such items as gutters, down pipes, cracks in asbestos roofing
- Seal glazing bars and cracks in glass

Package:
- [SPT050] 2” x 33’ (50 mm x 10 m)
- [SPT100] 4” x 33’ (100 mm x 10 m)
- [SPT150] 6” x 33’ (150 mm x 10 m)
- [SPT200] 8” x 33’ (200 mm x 10 m)

SealXpert® Underwater Petro Paste and Petro Tape Application Procedure:

1. Priming pipes, rods and cables. Apply SealXpert® Underwater Petro Paste to entire area to be wrapped with tape.
2. Apply SealXpert® Petro Tape. Start at the 9 o’clock position. Ensure that the compound side of tape is to the substrate.
3. Starting a new roll of tape. Overlap ends of tape by one tape width.
4. Overlapping each turn by 55% gives a double thickness.
**SealXpert® Poly Inner Wrap 980**

**Features:**
- Worldwide reference lists
- Uniform coating thickness
- Resistant to soil stress
- Impermeable to oxygen and moisture
- Low cathodic protection-current requirements
- Compatible with all pipe diameters and generic plant coatings systems
- Max operating temperature: 85 °C (185 °F)

**Technical data:**

<table>
<thead>
<tr>
<th>Backing colour</th>
<th>PI980-20</th>
<th>PI980-25</th>
<th>PI980-30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>0.5 mm</td>
<td>0.63 mm</td>
<td>0.75 mm</td>
</tr>
<tr>
<td>Backing</td>
<td>9 mils (0.229 mm)</td>
<td>10 mils (0.254 mm)</td>
<td>20 mils (0.508 mm)</td>
</tr>
<tr>
<td>Adhesive</td>
<td>11 mils (0.279 mm)</td>
<td>15 mils (0.381 mm)</td>
<td>30 N/cm</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>55 N/cm</td>
<td>52 N/cm</td>
<td>70 N/cm</td>
</tr>
<tr>
<td>Elongation</td>
<td>≥ 400 %</td>
<td>≥ 225 %</td>
<td>≥ 400 %</td>
</tr>
<tr>
<td>Peel adhesion to primed steel</td>
<td>30 N/cm</td>
<td>33 N/cm</td>
<td>400 N/cm</td>
</tr>
<tr>
<td>Cathodic disbondment</td>
<td>0.24 in. radius (6.4 mm)</td>
<td>0.25 in. radius (6.4 mm)</td>
<td>30 N/cm</td>
</tr>
<tr>
<td>Water vapor transmission rate</td>
<td>&lt; 0.1 %</td>
<td>0.5 g/m²/24 hr</td>
<td>0.08 g/m²/24 hr</td>
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<tr>
<td>Dielectric breakdown</td>
<td>26 kV/mm</td>
<td>25.6 kV/mm</td>
<td>43 kV</td>
</tr>
<tr>
<td>Dielectric strength</td>
<td>30 kV</td>
<td>20-23 kV</td>
<td>-</td>
</tr>
</tbody>
</table>

**SealXpert® Poly Outer Wrap 955**

**Features:**
- Worldwide reference lists
- Uniform coating thickness
- Resistant to soil stress
- Impermeable to oxygen and moisture
- Low cathodic protection-current requirements
- Compatible with all pipe diameters and generic plant coatings systems
- Max operating temperature: 85 °C (185 °F)

**Technical data:**

<table>
<thead>
<tr>
<th>Backing colour</th>
<th>PO955-20</th>
<th>PO955-25</th>
<th>PO955-30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>0.5 mm</td>
<td>0.63 mm</td>
<td>0.75 mm</td>
</tr>
<tr>
<td>Backing</td>
<td>15 mils (0.381 mm)</td>
<td>20 mils (0.508 mm)</td>
<td>25 mils (0.635 mm)</td>
</tr>
<tr>
<td>Adhesive</td>
<td>5 mils (0.127 mm)</td>
<td>5 mils (0.127 mm)</td>
<td>5 mils (0.127 mm)</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>70 N/cm</td>
<td>70 N/cm</td>
<td>80 N/cm</td>
</tr>
<tr>
<td>Elongation</td>
<td>450 %</td>
<td>450 %</td>
<td>450 %</td>
</tr>
<tr>
<td>Peel adhesion to primed steel</td>
<td>33 N/cm</td>
<td>33 N/cm</td>
<td>33 N/cm</td>
</tr>
<tr>
<td>Cathodic disbondment</td>
<td>0.24 in. radius (6.4 mm)</td>
<td>0.25 in. radius (6.4 mm)</td>
<td>0.06 g/m²/24 hr</td>
</tr>
<tr>
<td>Water vapor transmission rate</td>
<td>0.5 g/m²/24 hr</td>
<td>0.5 g/m²/24 hr</td>
<td>-</td>
</tr>
<tr>
<td>Dielectric breakdown</td>
<td>26 kV/mm</td>
<td>25.6 kV/mm</td>
<td>0.06 g/m²/24 hr</td>
</tr>
<tr>
<td>Dielectric strength</td>
<td>23-26 kV</td>
<td>20-23 kV</td>
<td>45 kV</td>
</tr>
</tbody>
</table>

**SealXpert® Primer 1027**

**Features:**
- Excellent adhesion to the pipe substrate
- Excellent cathodic disbondment resistance
- Non-toxic
- Non-polluting
- Conform to local and national standards

**Technical data:**

| Colour     | Black         |
| Base       | Rubber and Synthetic Resins |
| Solvent    | V.E. & P Naphtha |
| Total solids | 30%       |

**Application:**
- Can be used for machine or hand brush application to rough, reconditioned, or grit-blasted pipe surfaces
- Provides a uniformly smooth, instant tack surface for coating systems

**Package:**
- [PR1027] 1 Gallon
- [PR1027A] 5 Gallons
SealXpert® Poly Inner Wrap and Poly Outer Wrap Application Procedure:
(For underground pipes and field joint applications)
1. Priming pipes, rods and cables.
2. Apply SealXpert® Poly Inner Wrap.
3. Apply SealXpert® Poly outer Wrap.
4. Overlapping each turn by 55% gives a double thickness.

EPOXY PUTTIES AND COATINGS

Seal Stic® Quick Cure Epoxy Sticks

<table>
<thead>
<tr>
<th>Product</th>
<th>Features</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>SS102 Steel Epoxy Stick</td>
<td>Pre-mixed steel-based formulation</td>
<td>Bonds to dry surfaces</td>
</tr>
<tr>
<td></td>
<td>Can be drilled, tapped, machined or painted</td>
<td>Bonds to metals, concrete and plastics</td>
</tr>
<tr>
<td></td>
<td>Non-toxic and solvent-free</td>
<td>Cures at room temperature</td>
</tr>
<tr>
<td>SS103 Aluminium Epoxy Stick</td>
<td>Pre-mixed aluminium-based formulation</td>
<td>Repairs to non-rusting aluminium castings, machinery and equipment</td>
</tr>
<tr>
<td></td>
<td>Can be drilled, tapped, machined or painted</td>
<td>Fills porosity in aluminium castings</td>
</tr>
<tr>
<td></td>
<td>Non-toxic and solvent-free</td>
<td></td>
</tr>
<tr>
<td>SS104 Bronze Epoxy Stick</td>
<td>Pre-mixed bronze-based formulation</td>
<td>Bonds securely to bronze, brass &amp; copper alloys</td>
</tr>
<tr>
<td></td>
<td>Can be drilled, tapped, machined or painted</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Non-toxic and solvent-free</td>
<td></td>
</tr>
<tr>
<td>SS106 Underwater Epoxy Stick</td>
<td>Pre-mixed ceramic-based formulation</td>
<td>Suitable for moist and wet conditions</td>
</tr>
<tr>
<td></td>
<td>Can be drilled, tapped, machined or painted</td>
<td>Excellent resistance to oil and chemicals</td>
</tr>
<tr>
<td></td>
<td>Non-toxic and solvent-free</td>
<td>Bonds to metallic and non-metallic surfaces</td>
</tr>
</tbody>
</table>

Technical data:
- Colour:
  - SS102 Steel Epoxy Stick: Dark grey
  - SS103 Aluminium Epoxy Stick: Aluminium
  - SS104 Bronze Epoxy Stick: Bronze
  - SS106 Underwater Epoxy Stick: Light yellow
- Compressive strength: 12,000 psi (844 kg/cm²)
- Tensile strength: 6,000 psi (422 kg/cm²)
- Shear strength: 900 psi (63 kg/cm²)
- Hardness: 80 Shore D
- Temperature range: -50 °C to 120 °C
- Pot life (100g mixture): 10 min
- Min. curing time before function: 20 min

Package:
- [SS102] [SS103] [SS104] [SS106] 114 gram/tube
# EPOXY PUTTIES AND COATINGS

## SealXpert® Metal Repair Putty

<table>
<thead>
<tr>
<th>Product</th>
<th>Features</th>
<th>Application</th>
</tr>
</thead>
</table>
| PS102 Steel Repair Putty (A)  | • Metal-filled two-component epoxy putty  
• Bonds to metals, concrete and plastics  
• Cures at room temperature  
• Excellent resistance to oil, gasoline, water and chemicals  
• Ideal for patching and repairing areas where welding or brazeing is undesirable  
• Can be drilled, tapped, machined or painted | • Suitable for repairing defects and rebuilding of steel and iron casting parts  
• Recommended for repairing and rebuilding of worn components such as bearing and fan housing |
| PS103 Aluminium Repair Putty  | • Aluminium-filled two-component epoxy putty  
• Repairs to non-rusting aluminium castings, machinery and equipment  
• Excellent resistance to chlofluorocarbons  
• Bonds to aluminium and other metals  
• Fills porosity in aluminium castings  
• Can be drilled, tapped, machined or painted | • Used for rebuilding various aluminium castings parts  
• Used for repairing aluminium casting air holes and sand holes, shrinkage and cracks  
• Used for filling oversize, scratch or damaged repairing  
• Applicable to general machines, automobiles, airplanes, watercraft etc. |
| PS104 Bronze Repair Putty      | • Bronze-filled two-component epoxy putty.  
• Repairs to bronze and brass bushings, shafts, castings and parts  
• Repairs and rebuilds area where brazeing is undesirable or impossible  
• Bonds securely to bronze alloys, brass, copper and ferrous metals  
• Can be drilled, tapped, machined or painted | • Used for repairing and rebuilding of various bronze casting parts  
• Used for repairing bronze casting air holes and sand holes, shrinkage and cracks  
• Used for filling oversize, scratch or damaged repairing  
• Applicable to watercrafts, machines, automobiles, mining machineries etc. |
| PS105 Stainless Steel Repair Putty | • Stainless steel-filled two-component epoxy putty.  
• Patch, repair and rebuild stainless steel parts and equipment  
• Bonds to ferrous and non-ferrous metals  
• Non-rusting  
• Can be drilled, tapped, machined or painted | • Used for repairing stainless steel and steel parts defect repairing and worn part rebuilding  
• Applicable to watercrafts, machines, automobiles, mining machineries etc. |
| PS106 Underwater Repair Putty  | • Ceramic-based two-component epoxy putty.  
• Suitable for moist and wet conditions  
• Excellent resistance to oil and chemicals  
• Bonds to metallic and non-metallic surfaces  
• Fills porosity and cracks on valves and pump bodies  
• Can be drilled, tapped, machined or painted | • Used for repairing pipeline, valve, pump shell, tank body and concrete under emergency  
• Used for leakage stopping for water machineries, watercrafts repairing, mines and buildings etc.  
• Used in splash zone repair in combination of SealXpert® Fiberglass Repair Tapes |
| PS107 5 Min (SF) Repair Putty  | • Fast-curing  
• Stainless steel-filled two-component epoxy putty  
• Suitable for quick and emergency repairs  
• Cures in less than one hour  
• Can be drilled, tapped, machined or painted | • Used for emergency and quick repairing of steel, iron, stainless steel etc. metal damaged parts, worn parts and leakage  
• Applicable to watercrafts, machines, automobiles, mining machineries etc. |
| PS108 Hi-Temp Repair Putty     | • Withstands high temperature up to 230 °C (446 °F) (continuous) and 280 °C (536 °F) (intermittent)  
• Nickel alloy-filled two-component epoxy putty  
• Suitable for engine parts repairs  
• Can be drilled, tapped, machined or painted | • Used for repairing abrasion, scratch, and crack etc. on equipment operating at high temperature  
• Applicable to watercrafts, automobiles, machineries in petrochemical, power plant etc. |
| PS109 Supermetal Epoxy Putty / PS109A Supermetal Epoxy Putty | • Alloy and ceramic filled two-component epoxy putty  
• Excellent hardness  
• Cold welding repairing material  
• Versatile durable repair composite  
• Outstanding adhesion to all metals  
• Excellent corrosion resistance  
• Superior chemical resistance  
• Can be drilled, tapped, machined or painted | • Suitable for repairing worn rotating shafts  
• Applicable for making repairs that can be precision machined |
| PS110 Titanium Repair Putty     | • Titanium filled two-component epoxy putty  
• High performance  
• Excellent chemical resistance  
• Withstands heavy loads in harsh chemical environments  
• Can be drilled, tapped, machined or painted | • Suitable for repairing and rebuilding on load bearing components  
• Applicable for repairs to machineries and equipment that can be precision machined |
EPOXY PUTTIES AND COATINGS

SealXpert® Metal Repair Putty

Technical data:

<table>
<thead>
<tr>
<th>Product No./ Colour</th>
<th>Compressive Strength</th>
<th>Tensile Strength</th>
<th>Shear Strength</th>
<th>Hardness</th>
<th>Temperature Range</th>
<th>Mixture (A:B)</th>
<th>Pot Life</th>
<th>Curing Time (50% load)</th>
<th>Curing Time (100% load)</th>
<th>Coverage Area (per set)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS 102 Steel Repair Putty (A)</td>
<td>18,130 (1,275)</td>
<td>4,931 (347)</td>
<td>2,901 (204)</td>
<td>80</td>
<td>-50 to 160 (-58 to 320)</td>
<td>9:1</td>
<td>5:1</td>
<td>40</td>
<td>8</td>
<td>24</td>
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<tr>
<td>Colour: Grey</td>
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<td></td>
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<tr>
<td>PS 103 Aluminium Repair Putty</td>
<td>14,214 (999)</td>
<td>4,351 (304)</td>
<td>2,611 (184)</td>
<td>80</td>
<td>-50 to 160 (-58 to 320)</td>
<td>6:1</td>
<td>3.5:1</td>
<td>50</td>
<td>12</td>
<td>24</td>
</tr>
<tr>
<td>Colour: Aluminium</td>
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<tr>
<td>PS 104 Bronze Repair Putty</td>
<td>13,779 (969)</td>
<td>4,351 (304)</td>
<td>2,611 (184)</td>
<td>80</td>
<td>-50 to 170 (-58 to 338)</td>
<td>9:1</td>
<td>3:1</td>
<td>40</td>
<td>12</td>
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<tr>
<td>PS 105 Stainless Steel Repair Putty</td>
<td>15,229 (1,071)</td>
<td>4,931 (347)</td>
<td>2,901 (204)</td>
<td>80</td>
<td>-50 to 160 (-58 to 320)</td>
<td>11:1</td>
<td>3.75:1</td>
<td>50</td>
<td>12</td>
<td>24</td>
</tr>
<tr>
<td>Colour: Dark Grey</td>
<td></td>
<td></td>
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<tr>
<td>PS 106 Underwater Repair Putty</td>
<td>13,053 (918)</td>
<td>4,496 (316)</td>
<td>2,611 (184)</td>
<td>80</td>
<td>-50 to 150 (-58 to 302)</td>
<td>5:1</td>
<td>3.5:1</td>
<td>20</td>
<td>6</td>
<td>12</td>
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<tr>
<td>Colour: Brown</td>
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<tr>
<td>PS 107 5 Min (SF) Repair Putty</td>
<td>13,053 (918)</td>
<td>3,626 (255)</td>
<td>2,611 (184)</td>
<td>80</td>
<td>-50 to 120 (-58 to 248)</td>
<td>1.7:1</td>
<td>1:1</td>
<td>5</td>
<td>1/6</td>
<td>1</td>
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<tr>
<td>Colour: Dark Grey</td>
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<tr>
<td>PS 108 Hi-Temp Repair Putty</td>
<td>12,908 (908)</td>
<td>4,351 (304)</td>
<td>2,611 (184)</td>
<td>80</td>
<td>-50 to 280 (-58 to 536)</td>
<td>5:1</td>
<td>4:1</td>
<td>60</td>
<td>6</td>
<td>12</td>
</tr>
<tr>
<td>Colour: Dark Grey</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>PS 109/PS109A Supermetel Epoxy Repair Putty</td>
<td>24,656 (1,733)</td>
<td>7,977 (561)</td>
<td>3,046 (214)</td>
<td>90</td>
<td>-50 to 160 (-58 to 320)</td>
<td>2:1</td>
<td>2:1</td>
<td>50</td>
<td>12</td>
<td>24</td>
</tr>
<tr>
<td>Colour: Dark Grey</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>PS 110 Titanium Repair Putty</td>
<td>18,855 (1,326)</td>
<td>4,061 (286)</td>
<td>2,031 (143)</td>
<td>87</td>
<td>-50 to 160 (-58 to 320)</td>
<td>11:1</td>
<td>3.75:1</td>
<td>21</td>
<td>8</td>
<td>16</td>
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<td></td>
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<td></td>
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</tr>
</tbody>
</table>

Package:
- [PS102] [PS103] [PS105] [PS106] [PS107] [PS108] [PS109] [PS110] 454 gram/set
- [PS104] 227 gram/set
- [PS109A] 1 kg/set

SealXpert® Repair Putty and Coating Application Procedure:

1. Clean surface thoroughly with solvent
2. Prepare surface to SSPC SP3 Standard. Clean the surface again with solvent
3. Mix component A [Resin] and component B [Hardener] in accordance to the specified ratio
4. Continuously scrape material from the sides and bottom of container until uniform, streak-free consistency is obtained
5. Dispense the mixture to prepared surface with trowel
6. Allow curing in accordance to the minimum curing time at room temperature before operation
SealXpert® Wear and Corrosion Resistant Coating and Putty

<table>
<thead>
<tr>
<th>Product</th>
<th>Features</th>
<th>Application</th>
</tr>
</thead>
</table>
| WR204 Wear Resistant Coating                | • Ceramic microsphere and silicon alloy filled two-component epoxy coating  
• Suitable for application on vertical surfaces  
• Coating has strong adhesion and excellent properties of wear and impact resistance | • Designed to rebuild and pre-protect the machine worn by whirlpool, corrosion and cavitation erosion, water pump impellers, shell, induced-draft fan impeller etc. |
| WR206 Wear Shield Brushable Coating (Large Particles) | • Alumina ceramic bead-filled epoxy system  
• Outstanding abrasion resistance  
• Designed for particulates larger than 3mm (1/8”)  
• Resistant to wide range of chemicals (acids, bases, saturated salt solutions, oils, etc.)  
• Service temperatures up to 150°C (302°F) | • Repair scrubbers, ash handling systems, pipe elbows, screens, and chutes  
• Recontour chippers, bins, hoppers, bunkers, separators, diester tables  
• Protect exhausters, chutes, launderers, housing fans, crushers, and breakers |
| WR208 Wear Shield Brushable Coating (Small Particles) | • Micro-alumina ceramic bead-filled epoxy  
• Outstanding abrasion resistance  
• Designed for particulates smaller than 3mm (1/8”)  
• Resistant to wide range of chemicals (acids, bases, saturated salt solutions, oils, etc.)  
• Service temperatures up to 150°C (302°F) | • Dust particulate applications including slurry pumps, scrubbers, screens, and screw conveyors |
| WR209 Corrosion Brushable Coating            | • Excellent chemical resistance to acids, solvents, and alkanes  
• Temperature resistance to 160°C (320°F)  
• Applies easily with short-bristle brush or roller  
• Low viscosity, self-leveling liquid | • Seal and protect new equipment exposed to erosion and corrosion  
• Protect pump casings, impeller blades, gate valves, water boxes, and fan blades  
• Rebuild heat exchangers, tube sheets, and other water circulating equipment  
• Top coat for providing exceptionally smooth surface to repaired surfaces |
| WR210 Carbide Putty                          | • Silicon carbide-filled epoxy putty  
• Economical protection against wear and abrasion  
• Designed for particulates smaller than 1.6mm (1/16”)  
• Service temperatures up to 150°C (302°F) | • Particulate less than 1/16”: pipe elbows, pulverizers and slurry lines, cyclones and exhauster fans, chutes |
| WR211 Corrosion Resistant Coating            | • Composed of modified epoxy, wear resistant ceramic and crystal mineral powder  
• Thixotropic viscosity, suitable for application on vertical surface  
• Excellent resistance to strong alkali and acid | • Used for rebuilding and protecting metal material and concrete facilities against corrosion of acid/alkali solution  
• Rebuilding and protective coating of various corroded pipeline, pump, valve, exchanger, etc. |

Technical data:

<table>
<thead>
<tr>
<th>Product No./ Colour</th>
<th>Compressive Strength</th>
<th>Tensile Strength</th>
<th>Shear Strength</th>
<th>Hardness</th>
<th>Temperature Range</th>
<th>Mixture (A:B)</th>
<th>Pot Life</th>
<th>Curing Time</th>
<th>Coverage Area (per set)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WR204 Wear Resistant Coating Colour: Dark grey</td>
<td>15,954 (1,122)</td>
<td>4,351 (304)</td>
<td>2,176 (153)</td>
<td>90</td>
<td>50-121 (-58 to 250)</td>
<td>4:1</td>
<td>4:1</td>
<td>40</td>
<td>10</td>
</tr>
<tr>
<td>WR206 Wear Shield [Large Particles] Colour: Grey</td>
<td>11,000 (774)</td>
<td>4,210 (296)</td>
<td>1,474 (104)</td>
<td>87</td>
<td>Wet: 60 (140) Dry: 149 (300)</td>
<td>2:1</td>
<td>2:1</td>
<td>30</td>
<td>6-8</td>
</tr>
<tr>
<td>WR208 Wear Shield [Small Particles] Colour: Grey</td>
<td>11,000 (774)</td>
<td>4,300 (303)</td>
<td>1,375 (97)</td>
<td>87</td>
<td>Wet: 60 (140) Dry: 149 (300)</td>
<td>2:1</td>
<td>2:1</td>
<td>30</td>
<td>6-8</td>
</tr>
<tr>
<td>WR209 Corrosion Brushable Coating Colour: Brown</td>
<td>15,200 (1,069)</td>
<td>4,351 (304)</td>
<td>1,450 (102)</td>
<td>85</td>
<td>Wet: 66 (150) Dry: 160 (320)</td>
<td>5:6:1</td>
<td>3:4:1</td>
<td>40</td>
<td>10</td>
</tr>
<tr>
<td>WR210 Carbide Putty Colour: Grey</td>
<td>8,160 (574)</td>
<td>2,640 (184)</td>
<td>1,350 (95)</td>
<td>85</td>
<td>Wet: 49 (120) Dry: 121 (250)</td>
<td>8:1</td>
<td>4:1</td>
<td>50</td>
<td>6-8</td>
</tr>
<tr>
<td>WR 211 Corrosion Resistant Coating Colour: Dark grey</td>
<td>13,053 (918)</td>
<td>4,351 (304)</td>
<td>1,450 (102)</td>
<td>73</td>
<td>50-121 (-58 to 250)</td>
<td>5:1</td>
<td>4:1</td>
<td>60</td>
<td>10</td>
</tr>
</tbody>
</table>

Package:
- [WR204] [WR210] [WR211] 500 gram/set
- [WR206] [WR208] 5 kg/set
- [WR209] 3.8 litres/set
### SealXpert® Repair Liquid and Putty

<table>
<thead>
<tr>
<th>Product</th>
<th>Features</th>
<th>Application</th>
</tr>
</thead>
</table>
| PL102 Steel Repair Liquid| - Steel filled, liquid epoxy  
- Low viscosity, self-leveling liquid  
- Castable  
- Machinable to metallic finish  
- Low shrinkage  
- Resistant to chemicals and most acids, bases, solvents and alkalis | - Casting of steel components  
- Holding fixtures for intricate parts  
- Filling and levelling equipment  
- Repairing hard to reach areas where a flowable epoxy is needed  
- Duplicating or tracing masters  
- Short run dies and moulds |
| PL103 Aluminium Repair Liquid| - Aluminium filled pourable epoxy  
- Can be machined, drilled, or tapped | - Casting of aluminium components  
- Used for mould-making, patterns, holding fixtures, levelling equipment |
| PL104 Rubber Repair Liquid| - High initial bonding strength  
- Good toughness  
- Curing at room temperature  
- Can be operated under low loading within 2 hours after bonding | - Designed to bond joint of fabric enforced multilayer rubber conveyor belt for metallurgy, building material, electric power, coal mine etc. industries  
- Can be used to bond rubber, leather, metal and ceramic to each other or to themselves |
| PL105 Rubber Repair Putty| - Fast curing at room temperature  
- Non-toxic after cured  
- Good flexibility  
- High tensile strength  
- High tearing strength  
- Good abrasion, corrosion, aging and impact resistance | - Repairing and bonding of worn fabric joints  
- Fill joint gaps  
- Reinforce rubber conveyor belts in metallurgy, power, coal mining, etc. industries |

#### Technical data:

<table>
<thead>
<tr>
<th>Product</th>
<th>Adhesive tensile shear</th>
<th>Tensile strength</th>
<th>Compressive strength</th>
<th>Modulus of elasticity</th>
<th>Dielectric strength</th>
<th>Flexural strength</th>
<th>Hardness</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL102 Steel Repair Liquid</td>
<td>2,800 psi (197 kg/cm²)</td>
<td>3,220 psi (227 kg/cm²)</td>
<td>10,196 psi (717 kg/cm²)</td>
<td>274,992 psi (19,334 kg/cm²)</td>
<td>1,181 volts/mm</td>
<td>6,000 psi (394 kg/cm²)</td>
<td>85 Shore D</td>
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<tr>
<td>PL103 Aluminium Repair Liquid</td>
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<tr>
<td>PL104 Rubber Repair Liquid</td>
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<td>-</td>
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</tr>
<tr>
<td>PL105 Rubber Repair Putty</td>
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</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Pot life (100G@25°C)</th>
<th>Peeling strength</th>
<th>Max. working temperature</th>
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<tbody>
<tr>
<td>PL102 Steel Repair Liquid</td>
<td>80 min</td>
<td>2 Hour - 25 N/cm</td>
<td>80°C (176 °F)</td>
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<tr>
<td>PL103 Aluminium Repair Liquid</td>
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<tr>
<td>PL104 Rubber Repair Liquid</td>
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<tr>
<td>PL105 Rubber Repair Putty</td>
<td>-</td>
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</tr>
</tbody>
</table>

#### Package:

- [PL102] [PL103] [PL104] 500 gram/set
- [PL105] 350 gram/set
## SealXpert® Epoxy Coating

<table>
<thead>
<tr>
<th>Product</th>
<th>Features</th>
<th>Application</th>
</tr>
</thead>
</table>
| NS38 Anti-Slip Floor Coating  | - Two-component Epoxy Resin Coating designed for application in areas of heavy pedestrian traffic or light rolling traffic under typical dry service temperatures of -29°C to 60°C (-20°F to 140°F)  
- Easy and fast to apply by paint brush or roller  
- Reduces accidents (slips and falls) in the workplace  
- Fire retardant in the cured state  
- Resists gasoline, oil, acids, alkalis and aliphatic solvents  
- Available in yellow, grey or green  | - Typical applications include a non-slip finish for concrete and steel ramps, walkways, locker rooms, loading docks, marine applications, machine rooms assembly areas and stairs |
| EFC38 Epoxy Floor Coating     | - Two-component epoxy floor and deck coating  
- Easy and fast to apply  
- Fire retardant in the cured state  
- Resists gasoline, oil, acids, alkalis and aliphatic solvents  | - Finish for concrete and steel ramps, walkways, locker rooms, loading docks, marine applications, machine rooms assembly areas and stairs |
| ACC10 Anti-Corrosive Epoxy Coating | - Two-component  
- High adhesion strength  
- Excellent alkali and acid resistance  | - FRP storage tanks, pipes, vessels, ducts, and on-site maintenance projects, particularly in chemical processing, pulp and paper operations, including chlorine dioxide bleaching towers. |
| ACU10 Underwater Epoxy Coating | - Two-component epoxy repair compound  
- Provides a rock-hard protective surface  
- Provides excellent protection against corrosion of metals and erosion and deterioration of concrete or wood  | - Designed to be applied in underwater and splash zone environments  
- Repair boat hulls, buoys, seawalls, docks, bridge abutments, etc. |

### Technical data:

#### NS38 Anti-Slip Floor Coating
- Volume of solids : 62.2 %  
- Mix ratio - by weight : 7:5:1  
- by volume : 4:1  
- Coverage - Roller : 4.6 m² per 3.78 l (50 ft²/gal)  
- Trowel : 3.7 m² per 3.78 l (40 ft²/gal)  
- Dry time at 21°C : 12 hours

#### ACC10 Anti-Corrosive Epoxy Coating
- Colour : Clear  
- Mix ratio - by weight : 3:3:1  
- by volume : 2.5:1  
- Density : 1.07

### Package:
- [NS38] [EFC38] 3.8 litres/set  
- [ACC10] [ACU10] 10 litres/set

#### EFC38 Epoxy Floor Coating
- Volume of solids : 62%  
- Mix ratio - by weight : 7:5:1  
- by volume : 4:1  
- Coverage - Roller : 4.6 m² per 3.78 l (50 ft²/gal)  
- Trowel : 3.7 m² per 3.78 l (40 ft²/gal)  
- Dry time at 21°C : 12 hours

#### ACU10 Underwater Epoxy Coating
- Colour : White  
- Pot life : 65 min  
- Flash point : > 121 °C (250 °F)  
- Hardness : 72 Shore D

## SealXpert® Marine Chock

### Features:
- Application versatility  
- Withstands temperatures up to 121°C  
- Self-leveling, fast curing, non-shrinking  
- Excellent chemical and vibration resistance  
- Excellent compression strength  
- 100 % solids epoxy system  
- Allows flow into hard to reach areas

### Technical data:
- Mix ratio - by weight : 5:1  
- by volume : 3:4:1  
- Pot life (at 25°C) : 30 min  
- Cure time (at 21°C) : 28 hours

### Application:
- Specifically developed for chocking marine main propulsion and auxiliary machinery. Other shipboard applications include stern tubes and strut bearings, pintle and rudder bearings, pedestal bearings, steering gears, stem winches, engine room pumps, cargo pumps, cable penetrations, large ball or roller bearings, bow thrusters and anchor windlasses

### Package:
- [MC38] 4 litres/set

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**SealXpert®**

EPOXY PUTTIES AND COATINGS

Engineered Solutions for the Pipeline Industries

www.sealxpert.com
## SealXpert® Anaerobic Threadlocker

<table>
<thead>
<tr>
<th>Product</th>
<th>Features</th>
<th>Application</th>
</tr>
</thead>
</table>
| AT222 Threadlocker | • Thixotropic viscosity, low strength  
                    • Easy removal, parts can be separated with hand tools | • Prevent threaded fasteners from vibration and leakage  
                                                                 • Used for locking and sealing M2 - M8 (ideal for under M6) threaded fasteners, prevent thread from rust  
                                                                 • Especially suitable for situations where easy disassembly is available, adjust locating screw, small diameter or long threaded fasteners |
| AT242 Threadlocker | • Medium strength, thixotropic viscosity  
                    • Controlled lubricity for accurate clamp loads  
                    • Easy removal, parts can be separated with hand tools | • Prevent loosening and leakage from shock and vibration  
                                                                 • Used for locking and sealing M8 - M16 (Ideal below M8) threaded fasteners |
| AT243 Threadlocker | • Medium to high strength, thixotropic viscosity  
                    • Excellent chemical resistance  
                    • Good lubricity  
                    • Easy removal, parts can be separated with hand tools | • Prevent threaded fasteners from loosening and leakage  
                                                                 • Used for locking and sealing M8 – M20 (Ideal for under M18) threaded fasteners  
                                                                 • Typically suitable for inert surface, such as stainless steel and electroplated surface |
| AT262 Threadlocker | • Medium strength, thixotropic  
                    • Good oil resistance, can be used on the surface with slight oil contamination  
                    • Controlled lubricity for accurate clamp loads  
                    • Easy removal, parts can be separated with hand tools | • Prevent loosening and leakage from shock and vibration  
                                                                 • Used for permanent locking and sealing M10 – M26 (Ideal for under M20) threaded fasteners  
                                                                 • Prevent rusty threads  
                                                                 • Thread locking, sealing and engine plug sealing |
| AT270 Threadlocker | • Low viscosity, high strength  
                    • Excellent chemical resistance  
                    • Good lubricity  
                    • Heat and hand tools are required for disassembly | • Prevent loosening and leakage from shock and vibration  
                                                                 • Used for locking and sealing threaded fasteners of M25 and larger  
                                                                 • Prevent rusty threads |
| AT271 Threadlocker | • High strength, medium to low viscosity  
                    • Excellent chemical resistance  
                    • Good lubricity  
                    • Heat and hand tools are required for disassembly | • Prevent loosening and leakage from shock and vibration  
                                                                 • Used for permanent locking and sealing M16 - M26 (Ideal for under M22) threaded fasteners, prevent thread from rust  
                                                                 • Typically used for stud end locking (such as cylinder head stud) |
| AT272 Threadlocker | • High temperature, high strength  
                    • Withstands temperatures up to 232 °C (450 °F)  
                    • Heat and hand tools are required for disassembly | • Permanent locking and sealing of threaded fasteners  
                                                                 • Prevents loosening and leakage from shock and vibration  
                                                                 • Used for locking and sealing of large bolts and studs (M25 and larger) |
| AT277 Threadlocker | • High strength, high viscosity  
                    • Excellent chemical resistance  
                    • Good lubricity  
                    • Heat and hand tools are required for disassembly | • Prevent loosening and leakage from shock and vibration  
                                                                 • Used for permanent locking and sealing M24 - M36 threaded fasteners, prevent thread from rust  
                                                                 • Typically used for large diameter thread locking and sealing |
| AT290 Threadlocker | • Low viscosity, medium strength, high penetrability  
                    • Wicking grade  
                    • Excellent chemical resistance  
                    • Seals 0.1mm gap welding seam, crack, dispersed shrinkage and casting microspores | • Prevent loosening and leakage from shock and vibration  
                                                                 • Used for locking and sealing pre-assembled threaded fasteners under M12  
                                                                 • Prevent rusty threads  
                                                                 • Preventing threads by capillary action |

**Package:**  
- 50 ml/bottle
SealXpert® Anaerobic Threadlocker

Technical data:

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Typical Use</th>
<th>Max Gap Fill</th>
<th>Colour</th>
<th>Viscosity</th>
<th>Specific Gravity</th>
<th>Breakaway Torque</th>
<th>Prevail Torque</th>
<th>Temperature Range °C (°F)</th>
<th>Curing Speed</th>
<th>Fixture</th>
<th>Full Cure</th>
</tr>
</thead>
</table>
| AT222       | M2 – M8, removable           | 0.13 Purple  | 1,200 Thixotropic | 1.05      | 6                | 4               | -50 to 150 (-58 to 302) | 10 - 20       | 24      
| AT242       | M8-M16, removable            | 0.13 Blue    | 1,700 Thixotropic | 1.05      | 12               | 5               | -50 to 150 (-58 to 302) | 10 - 20       | 24      
| AT243       | M8-M20, slight oil contamination | 0.13 Blue   | 2,250 Thixotropic | 1.05      | 20               | 7               | -50 to 150 (-58 to 302) | 10 - 20       | 24      
| AT262       | M10-M26, permanent locking and sealing | 0.13 Red | 1,800 Thixotropic | 1.10      | 22               | 30              | -50 to 150 (-58 to 302) | 10 - 20       | 24      
| AT270       | M25, permanent locking and sealing | 0.13 Green  | 500     | 1.10      | 26               | 36              | -50 to 150 (-58 to 302) | 10 - 20       | 24      
| AT271       | M16-M26, permanent locking and sealing | 0.13 Red | 500     | 1.12      | 27               | 30              | -50 to 150 (-58 to 302) | 10 - 20       | 24      
| AT272       | M25-M80, permanent locking and sealing | 0.25 Red-orange | 4,000 - 15,000 Thixotropic | 1.11      | 23               | 25              | -55 to 200 (-67 to 392) | 40           | 24      
| AT277       | M24-M36, permanent locking and sealing | 0.25 Red | 7,000   | 1.12      | 30               | 30              | -50 to 150 (-58 to 302) | 23 - 30       | 24      
| AT290       | Under M12, wicking grade     | 0.10 Green   | 12      | 1.08      | 10               | 26              | -50 to 150 (-58 to 302) | 5 - 15        | 24      

SealXpert® Anaerobic Thread grade Sealant

<table>
<thead>
<tr>
<th>Product</th>
<th>Features</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>TS542 Thread Sealant</td>
<td>• Thixotropic, low viscosity, medium strength</td>
<td>• Used for sealing fine threads in pneumatic and hydraulic systems</td>
</tr>
<tr>
<td></td>
<td>• Contains no fillers and will not foul pipeline system</td>
<td>• Typically used for sealing fine pipe thread under M36</td>
</tr>
<tr>
<td>TS545 Thread Sealant</td>
<td>• Thixotropic, low viscosity, low strength</td>
<td>• Typically used for sealing and locking high hydraulic pressure power system, ideal for under M36 tapered thread</td>
</tr>
<tr>
<td></td>
<td>• Good oil tolerance, can be used on surfaces with slight oil contamination</td>
<td>• Will not foul or jam hydraulic and pneumatic fittings on surface, can be used with slight oil contamination</td>
</tr>
<tr>
<td>TS567 Thread Sealant</td>
<td>• General purpose, low strength, coarse threads</td>
<td>• Mainly used for instant sealing of large diameter tapered/tapered, tapered/straight pipe thread and stainless steel connector</td>
</tr>
<tr>
<td></td>
<td>• Prevents leaks due to vibrational loosening and other stresses</td>
<td>• Prevent thread from corrosion</td>
</tr>
<tr>
<td></td>
<td>• Temperature resistance up to 250 °C (480 °F)</td>
<td>• Used for pipe thread sealing at rigorous operating condition or of large gap</td>
</tr>
<tr>
<td></td>
<td>• Excellent chemical resistance</td>
<td>• Typically used for sealing stainless steel pipe thread or pressure sealing of taper/straight pipe thread below M80</td>
</tr>
</tbody>
</table>

Package:
- 50 ml/bottle
SealXpert® Anaerobic Thread Sealant

Technical data:

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Typical Use</th>
<th>Max Diameter of Thread</th>
<th>Uncured</th>
<th>Cured</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>mm</td>
<td>Colour</td>
<td>Colour</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>mPa.s</td>
<td>mPa.s</td>
</tr>
<tr>
<td>TS542</td>
<td>Thread Sealant</td>
<td>M36</td>
<td>Brown</td>
<td>Brown</td>
</tr>
<tr>
<td>TS545</td>
<td>Thread Sealant</td>
<td>M36, tapered</td>
<td>Purple</td>
<td>Purple</td>
</tr>
<tr>
<td>TS567</td>
<td>Thread Sealant</td>
<td>M80</td>
<td>White</td>
<td>White</td>
</tr>
<tr>
<td>TS577</td>
<td>Thread Sealant</td>
<td>M80, tapered/straight</td>
<td>Yellow</td>
<td>Yellow</td>
</tr>
</tbody>
</table>

SealXpert® Anaerobic Flange Sealant

Package:
- 50 ml/bottle

Technical data:

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Typical Use</th>
<th>Full</th>
<th>Max</th>
<th>Uncured</th>
<th>Cured</th>
<th>Curing Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Curing Speed</td>
<td>Gap Fill</td>
<td>mm</td>
<td>Viscosity</td>
<td>Specific Gravity</td>
</tr>
<tr>
<td></td>
<td></td>
<td>hour</td>
<td></td>
<td>Colour</td>
<td>mPa.s</td>
<td>g/cm²</td>
</tr>
<tr>
<td>F5510</td>
<td>High temperature and solvent resistant</td>
<td>24</td>
<td>0.25</td>
<td>Pink</td>
<td>40,000 – 140,000</td>
<td>1.10</td>
</tr>
<tr>
<td>F5515</td>
<td>General purpose</td>
<td>24</td>
<td>0.25</td>
<td>Purple</td>
<td>1,200,000 Thixotropic</td>
<td>1.10</td>
</tr>
<tr>
<td>F5518</td>
<td>Aluminium</td>
<td>24</td>
<td>0.25</td>
<td>Red</td>
<td>900,000</td>
<td>1.10</td>
</tr>
</tbody>
</table>
SealXpert® Anaerobic Retaining Compound

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Typical Use</th>
<th>Max Gap Fill</th>
<th>Uncured</th>
<th>Cured</th>
<th>Curing Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>RC603 Retaining Compound</td>
<td>Slightly oil contaminated surface</td>
<td>0.13</td>
<td>Green 200</td>
<td>1.10</td>
<td>&gt; 2,901 (204)</td>
</tr>
<tr>
<td>RC620 Retaining Compound</td>
<td>high temperatures 232 °C (450 °F)</td>
<td>0.30</td>
<td>Green 8,500</td>
<td>1.15</td>
<td>&gt; 2,901 (204)</td>
</tr>
<tr>
<td>RC638 Retaining Compound</td>
<td>Maximum strength</td>
<td>0.26</td>
<td>Green 2,500</td>
<td>1.09</td>
<td>&gt; 4,496 (316)</td>
</tr>
<tr>
<td>RC648 Retaining Compound</td>
<td>Withstands high temperature up to 175 °C (347 °F)</td>
<td>0.15</td>
<td>Green 500</td>
<td>1.25</td>
<td>&gt; 2,611 (184)</td>
</tr>
<tr>
<td>RC680 Retaining Compound</td>
<td>For clearance and transition fit</td>
<td>0.25</td>
<td>Green 1,250</td>
<td>1.12</td>
<td>&gt; 2,756 (194)</td>
</tr>
</tbody>
</table>

**Package:**
- 50 ml/bottle

**Technical data:**

- **Product No.**
- **Typical Use**
- **Max Gap Fill (mm)**
- **Uncured**
  - **Colour**
  - **Viscosity (mPa.s)**
  - **Specific Gravity (g/cm³)**
- **Cured**
  - **Shear Strength (psi)**
  - **Temperature Range (°C (°F))**
- **Curing Speed**
  - **Fixture Time (min)**
  - **Full Cure Time (Hour)**

- **SealXpert® Anaerobic Retaining Compound**

- **Product:**
- **Features**
  - High strength, low viscosity
  - Good oil tolerance, can be used on surfaces with slight oil contamination
- **Application**
  - Seals and secures cylindrical assemblies under 0.005" (0.13 mm) diametrical clearance
  - Designed for transition and interference fit
  - Used for slightly oily surface and inert surface

- **RC620 Retaining Compound**
- **Features**
  - Thixotropic viscosity
  - Self-curing high temperature resistant
- **Application**
  - Designed to retain cylindrical fittings which can endure high temperatures 232 °C (450 °F)
  - Generally applicable for parts whose working temperature is 150 °C (302 °F) to 230 °C (446 °F) (intermittent and continuous)
  - Used to bond and retain automobile air valve sleeve, injection molding machine core sleeve, valve bushing, cylinder liner, plunger pin in steam hammer; seal or lock thread

- **RC638 Retaining Compound**
- **Features**
  - Maximum high strength, high viscosity
  - Fixture in 5 minutes
- **Application**
  - Used for retaining cylindrical assembly where fit clearance can approach 0.01" (0.26 mm) and where maximum strength at room temperature is required
  - Lock bushings and sleeves into housings and on shafts
  - Designed for transition and interference fit

- **RC648 Retaining Compound**
- **Features**
  - High strength, medium to low viscosity
  - Withstand high temperature up to 175 °C (347 °F)
  - Fixture in 5 minutes
- **Application**
  - Used for dynamic loading or periodic loading working conditions
  - High temperature resistant, cures fast, retaining cylindrical assembly where fit clearance is less than 0.006" (0.15 mm)
  - Designed for transition and interference fit

- **RC680 Retaining Compound**
- **Features**
  - High strength, medium viscosity
  - Enhances bonding strength
- **Application**
  - Used for diametral clearance of less than 0.01" (0.25 mm) clearance fit or transition fit with the best fit clearance between 0.002" (0.05 mm) to 0.004" (0.10 mm)
  - Replace press fit and prevent rust
  - Used for slight rotating (worn) bearing, shaft sleeve etc. fittings, retain belt pulley, bushing, gear wheel, rotor, rebuild hole-shaft fitting parts and out-of-tolerance parts
  - Designed for transition and interference fit
# SealXpert® Cyanoacrylate Adhesive

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Typical Use</th>
<th>Max Gap Fill</th>
<th>Uncured</th>
<th>Cured</th>
<th>Curing Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>mm</td>
<td>Colour</td>
<td>Viscosity</td>
<td>Specific Gravity</td>
</tr>
<tr>
<td>CA401 Cyanoacrylate Adhesive</td>
<td>General purpose, porous and acidic surface</td>
<td>0.10</td>
<td>Transparent</td>
<td>110</td>
<td>1.10</td>
</tr>
<tr>
<td>CA406 Cyanoacrylate Adhesive</td>
<td>Plastics and electrometric materials</td>
<td>0.05</td>
<td>Transparent</td>
<td>12-22</td>
<td>1.10</td>
</tr>
<tr>
<td>CA480 Cyanoacrylate Adhesive</td>
<td>Resistant to impact and vibration, toughness</td>
<td>0.10</td>
<td>Black</td>
<td>250</td>
<td>1.10</td>
</tr>
<tr>
<td>CA495 Cyanoacrylate Adhesive</td>
<td>General purpose, plastic, rubber</td>
<td>0.10</td>
<td>Transparent</td>
<td>45</td>
<td>1.05</td>
</tr>
<tr>
<td>CA496 Cyanoacrylate Adhesive</td>
<td>General purpose, metal parts</td>
<td>0.10</td>
<td>Transparent</td>
<td>120</td>
<td>1.10</td>
</tr>
</tbody>
</table>

**Package:**
- 20 gram/bottle
SealXpert® Clear Epoxy With Hardener

Features:
- Strong 2-component epoxy with long working time
- Oil, chemical and impact resistant
- High temperature resistance
- Withstands rough handling
- Wide service temperature range

Technical data:
- Physical state: Liquid
- Flash point: >150°C
- Density: 1.07

SealXpert® Varnishcote

Features:
- Excellent oil and moisture resistance
- Excellent finish – tough, flexible, glossy, and durable
- Good water and salt water resistance
- Good adhesion
- High glass

Technical data:
- Colour: Clear/ Red
- Specific gravity: 0.91
- Constant service temperature: -40 to 180 °C (-40 to 356 °F)
- Flash point: 15 °C (59 °F)

Application:
- Bonds metal, wood, masonry, ceramics, glass, dry concrete, chipboard, leather, cardboard, fabric, rubber and most plastics (except polyethylene, polypropylene, Teflon)

Package:
- [CE050] 50 ml/pcs

SealXpert® Molybdenum Disulfide Products

<table>
<thead>
<tr>
<th>Product</th>
<th>Features</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>[MZP] SealXpert® Moly Z Powder</td>
<td>• Excellent lubricating properties&lt;br&gt; • Reduction of friction and wear&lt;br&gt; • Resistant to oxidation&lt;br&gt; • Extreme pressure resistance&lt;br&gt; • Wide service temperature range</td>
<td>• Used for applications that are exposed to extreme environments, slow speeds, and heavy loads&lt;br&gt; • Used on self-lubricating plastics, metallic surfaces, metal working compounds, brake linings, press fittings, and as a run-in aid</td>
</tr>
<tr>
<td>Package: 1 kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>[MZMP] SealXpert® Moly Micro Powder</td>
<td>• Excellent lubricating properties&lt;br&gt; • Reduction of friction and wear&lt;br&gt; • Resistant to oxidation&lt;br&gt; • Extreme pressure resistance&lt;br&gt; • Wide service temperature range</td>
<td>• Lubricate metal surfaces of all kinds in many difficult and extreme environments&lt;br&gt; • Metal/metal pairings at extreme loads and slow speeds&lt;br&gt; • Metal/plastic pairings at low loads and low to medium speeds</td>
</tr>
<tr>
<td>Package: 500 grams</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## SealXpert® Molybdenum Disulfide Products

<table>
<thead>
<tr>
<th>Product</th>
<th>Features</th>
<th>Application</th>
</tr>
</thead>
</table>
| **[SP50] SealXpert® SP50 Moly G-Rapid** | • Designed to be a running-in lubricant  
• Does not require burning  
• Provides a lower coefficient of friction than most other MoS2 parties  
• Features a solvent that quickly evaporates and allows the sprayed part to be used within seconds  
• Has a service temperature range of -35°C to 399°C (-31°F to 750°F) | •Seize prevention during machine assembly such as press or heat-fitting  
•Seize prevention and run-in protection for motor axles, splines, and cams  
•Protects against overheating of power screws and packing seals  
•Lubrication during metal working such as thread cutting, grinding and casting  
•Pre-treatment of surfaces before grease or oil lubrication  
•Fretting corrosion prevention in the fitting area of machine parts |
| **[M1000] SealXpert® Moly 1000 Anti-Seize Compound** | • Can be used over a wide range of temperature  
(-30°C/-22°F to 650°C/1202°F)  
•High load-carrying capacity  
• Enables non-destructive dismantling, even after long use at high temperatures  
•Coefficient of friction unchanged in the area of oiled bolts, even after several bolt re-tightening and loosening processes  
•Good corrosion protection | •Suitable for bolted joints that are subjected to high temperatures up to 650°C (1202°F) and to corrosive effects, and which, after assembling and the initial operation, have to be re-tightened or disconnected  
In order to ensure constant pre-stressing forces, uniform and steady coefficients of friction of the lubricant are necessary  
•Used successfully for cylinder head bolts, nozzle head screws of plastic injection moulding machines, bolted joints in the chemical industry, and also for the tension rings of centrifuges |
| **[C1000] SealXpert® Copper Anti-Seize Compound** | • Highly effective oxidation inhibitors  
•Resistant to corrosion and vibration  
•Resistant to contraction and expansion  
•Ensures rapid and easy assembly of threaded parts  
•Prevents seizing and galling  
•Reduces wear in areas of high friction  
•Withstands temperature from -40°C to 1100°C (-40°F to 2000°F) | •Ensures quick and trouble-free dismantling for routine maintenance even after prolonged exposure to high temperature areas up to 1100°C (2000°F) or in corrosive conditions such as coal mining or marine environments  
•Extensively used on tool joints, drill collars, precision threads, large and small diameter pipelines and valves |
| **[N1000] SealXpert® Nickel Anti-Seize** | •Nickel-based extra high and low temperature anti-seize assembly compound  
•Containing pure nickel, aluminium and graphite in a non-melt base with corrosion and oxidation inhibitors, also resistant to acids and ammonia  
•For use when copper cannot be present | •For use on threaded parts, bushings, gears, valve systems, chain sprockets, levers, hinges, pivots, rollers, heat exchanger or manifold bolts, or as a gasket release agent  
•Electrically conductive, protects to 1350°C (2462°F)  
•Recommended for use with stainless steel screws, flanges, nozzles, couplings and other metal fittings, or where high nickel alloy materials such as stainless steel, or where Titanium or other hard metals are involved |
| **[A1000] SealXpert® Aluminium Anti-Seize** | • Aluminium based anti-seize compound  
•High Oxidation resistance  
•Provides rust protection and reduces fretting corrosion  
•Good resistance against both fresh water and seawater, suitable for marine use | •Provides long term protection under the toughest exposure and temperature conditions to prevent wear, corrosion, rust and seizure.  
•Use on all studs, nuts, bolts and other threaded connections, including turbine casing studs, burner nozzles, all boiler inspection points and furnace bolts.  
•Ideal for applications where the presence of copper is not desirable due to the risk of electrolytic corrosion, or in the presence of chemicals which react with copper |
| **[M77P] SealXpert® Moly M77 Paste** | • Paste lubrication up to 230°C (446°F), dry lubrication up to 400°C (662°F)  
•Good water resistance  
•Good volatilization properties  
•Compatible with many types of elastomers and plastics (test for compatibility) | •Suitable for lubrication points with low to moderate loads and low speeds which are subjected to water and extreme temperatures  
•Suitable for lubricating parts consisting of materials that are not resistant to mineral oils  
•Used successfully on metal/metal combinations with frictional and contact surfaces, brake anchor plates and the brake pistons of disc brakes |
| **[GNP] SealXpert® Moly G-N Paste** | • High pressure-absorption capacity  
•Low coefficient of friction  
•Prevents frictional corrosion and scoring  
•Protection from stick-slip  
•Good anti-corrosion properties  
•Reduces frictional corrosion  
•Simplifies dismantling processes  
•High surface covering capacity | •Press-fit production of all types of machine elements, as a running-in lubricant for new machines and gearboxes  
•Permanent lubrication of machine elements that are moved only rarely or slightly and also for ariling, sawing and thread cutting  
•Used successfully for lubricating threaded spindles, splined shafts, toothed gears, worm and transmission gears, screws, valves, pumps, machine tool guides and also for the tightening and fitting of roller bearings, washers, wheels, flanges and bolts |
## Maintenance Products

**SealXpert® Molybdenum Disulfide Products**

<table>
<thead>
<tr>
<th>Product</th>
<th>Features</th>
<th>Application</th>
</tr>
</thead>
</table>
| **[MO05]** SealXpert® M / **[M3010]** SealXpert® M-30 | • Increased load-carrying capacity  
• Reduced friction, wear and noise  
• Lowers oil operating temperatures and stops gear pitting | Additive to mineral-based lubricating, engine and gear oils in circulating and splash lubrication systems and gearboxes. |
| **[M800]** SealXpert® M-800 | • Air-dried molybdenum disulphide lubricant  
• Does not gather dirt and grit | Used to lubricate and prevent the seizing of machine parts during repair or reassembly despite repeated exposure to high temperatures |
| **[SG111A]** [SG111] SealXpert® 111 Silicone Grease | • Non-toxic, stiff silicone compound  
• Strong adhesion, non-melting  
• Maintains consistency over wide temperature range (-40°C to 200°C / -40°F to 392°F)  
• Resistant to many chemicals and gases  
• Low evaporation rate | Long-term lubrication of valves, stop cocks, plug cocks, ‘O’ rings, valve/lip seals, packings, gaskets  
Suitable for some vacuum and pressure systems |
| **[SC111A]** [SC111] SealXpert® 111 Silicone Grease | • Oxidation resistance  
• Non-corrosive  
• Water washout resistance  
• Good lubricity  
• Chemically inactive | Suits for low temperature lubrication, and provides resistance to oxidation and washout  
Lubricant for dynamic pneumatic o-rings  
As a seal between rubber and metal parts  
Lubrication for motors, pump, bearings, valves, gears, and seals |
| **[MOG05]** [MOG25] [MOG150] SealXpert® Moly Grease | • Excellent for high temperature bearings, conveyor systems, and low-temperature refrigeration systems  
• Water resistant  
• Non-toxic  
• Extremely chemical resistant  
• Translucent paste  
• Highly resistant to oxidation and shear breakdown  
• Suitable for valve lubrication  
• Low vapor pressure  
• Low volatility  
• High dielectric strength | Lubrication for control and pressure plug valves, water softener and faucet valves  
Sealant for vacuum and pressure systems  
Sealant for outdoor equipment (also shipboard) subject to washing and harsh environmental exposure: meters, electrical service entrance and underground connections  
Damping medium for dash pots in electrical and electronic equipment  
For subzero processing facilities and spiral freezer applications  
Rubber and plastic O-rings, gaskets and seals  
Chemical barrier coating |
| **[MOG05]** [MOG25] [MOG150] SealXpert® Moly Grease | • Lithium soap greases have excellent water resistance and shear stability  
• Versatile greases recommended for general and wide applications | Suits to a wide range of applications, including bearings, gears, and sliding parts |

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**Package:**
- **[MO05]** 5 litres  
- **[M3010]** 1 litre  
- **[M800]** 1 litre  
- **[SG111A]** 500 grams  
- **[SG111]** 1 kg  
- **[SC111A]** 500 grams  
- **[SC111]** 1 kg  
- **[MOG05]** 500 grams  
- **[MOG25]** 2.5 kg  
- **[MOG150]** 15 kg  
- **[SG111LT]** 1 kg
# SealXpert® Molybdenum Disulfide Products

<table>
<thead>
<tr>
<th>Product</th>
<th>Features</th>
<th>Application</th>
</tr>
</thead>
</table>
| **[MOGH25]** [MOGH150]** SealXpert® Hi-Temp Moly Grease** | - Containing heat-resistant molybdenum disulphide (MoS2) and graphite, in various combinations  
- Reduce seizure even at high temperatures applications | - Suited to extreme high temperatures required at ironworks, cement plants, etc. for sliding, rotating and threaded parts in steel mill sliding nozzles and rotary nozzles, Bearings in ladle hangers and furnace dampers; transfer surfaces of fire liners and support rollers in rotary kilns at cement plants; sliding parts, bolts, nuts, pins, and bushings under high temp |
| Package: | 2.5 kg | [MOGH25] 2.5 kg | [MOGH150] 15 kg |

| **[MOGS25]** [MOGS150]** SealXpert® Hi-Speed Moly Grease** | - Low viscosity ester oil base, which has outstanding low torque and low friction properties  
- Exceptional lubricity lasts for long periods of time over a wide range of temperatures | - Use on bearings in electric machinery designed to reduce energy and current usage, and on high speed conveyance linear motion devices and ball screws  
- Use on machine tool spindles and other bearings that revolve at high-speeds |
| Package: | 2.5 kg | [MOGS25] 2.5 kg | [MOGS150] 15 kg |

| **[OWPG25]** [OWPG150]** SealXpert® Open Gear and Wire Rope Grease** | - Emergency lubrication  
- High pressure resistance  
- High wear protection  
- Extremely adhesive  
- Resistance against water | - Used for initial lubrication of chains with hollow pins equipped with grease nipples  
- Used for gear drives and open gears, sliding bearings operating at low speeds and high temperatures, such as bearings in drying systems and calendaring machines used in various industrial processes |
| Package: | 2.5 kg | [OWPG25] 2.5 kg | [OWPG150] 15 kg |

| **[PO04]** SealXpert® Penetrating Oil | - Easy penetration  
- Loosens rust, oil, grease  
- Rust protection  
- Displaces water / moisture  
- Non-corrosive  
- Non-conductive  
- Lubrication  
- Not harmful to paint or metals  
- Low surface tension to replace moisture | - Used to loosen up rust and hardened oil and grease from nuts, bolts, shackles, etc. and for lubrication  
- Intended for used wires to remove rust and old oil and grease before applying a new coating |
| Package: | 4 litres | **SealXpert®** Molybdenum Disulfide Products |

**EXPERT IN PIPELINE PRODUCTS**  
Engineered Solutions for the Pipeline Industries
## SealXpert® Molybdenum Disulfide Products

### [C004] SealXpert® Machine Cutting Oil
- Package: 4 litres
- Inhibits corrosion and staining
- Improves surface finish
- Increases tool life
- Excellent cooling properties
- Extreme Pressure Resistant
- Suitable for all removal and grinding operations
- Extend tool life to keep metalworking and machining processes running smoothly

### [MPG01] [MPG02] [MPG03] SealXpert® Multi-Purpose Grease
- Package: 13 kg
- Reliable high temperature performance
- Good oxidation and mechanical stability
- Excellent corrosion resistance
- Long storage life and low noise
- Used under a wide range of operating conditions, including severe duty, elevated temperatures and in the presence of moisture.
- Rolling element and plain grease lubricated bearings.
- Electric motor bearings

### [EPG00] [EPG01] [EPG02] SealXpert® Extreme Pressure Grease
- Package: 13 kg
- Outstanding load carrying capacity
- Superior mechanical stability
- Excellent resistance to water wash-out
- Oxidation stability
- Excellent corrosion protection
- Heavy duty bearings served by centralised dispensing equipment
- Extreme-pressure gear grease for applications at normal ambient temperature
- Heavy duty bearings and general industrial lubrication
- Heavy duty plain and rolling element bearings operating under harsh conditions including shock loading in wet environments

### [LTG13] SealXpert® Low Temperature Grease
- Package: 13 kg
- Water and steam resistant
- Provide excellent lubrication performances at low temperatures
- High oxidation stability
- Protects against corrosion
- Designed for low temperature freezer and cold storage applications
- Low temperature automotive applications
- For large low-speed rolling bearings subjected to high loads.
- Ideal lubricant for spherical roller bearings in roller presses, bowl mill, rotary crushers and also suitable for plain bearings

### [TG111] SealXpert® Oxy-Fluor Teflon Grease
- Package: 1 kg
- Silicone-free
- Do not contain any VOC materials or chlorine
- Not hazardous to the atmosphere or ozone layer
- Excellent film strength reduces wear to reduce maintenance costs
- Valves, instruments or bearings in contact with chemicals including alcohols, ammonia, solvents, steam, acids and bases, and oxygen systems including LOX and GOX
- Used as seal and O-ring lubricants
- Compatible with all types of seals

### [ECG05] [ECG25] [ECG150] SealXpert® Electrical Contact Grease
- Package: 500 grams [ECG25] 2.5 kg [ECG150] 15 kg
- Increase reliability & longevity of connections
- Excellent conductivity
- Long-term protection against corrosion and wear
- Suitable for use with all materials used in the manufacture of electrical contacts and switch gear
- Ideal for applications in the automotive, rail, and electrical industries
- Particularly suited for the lubrication of copper alloy electrical contacts in an environment where plastic casings, housings or other plastic parts are present
- Conductive moving parts, switches, control valve pins, terminals, voltage regulators, etc.
MAINTENANCE PRODUCTS
(SPECIAL LUBRICANTS)

SealXpert® Molybdenum Disulfide Products

Technical data:

[M1MP] SealXpert® Moly Z Powder
- Colour: Blackish
- Purity (MoS2 content): 98 %
- Particle size: 3 - 4 μm
- Service temperature range: -185 °C to 450 °C
- Service temperature range (in vacuum): Up to 1,100 °C
- Theoretical density: 4.5 g/cm³
- Bulk density: 1.3 g/cm³
- Water/moisture content: 0.02 %
- Coefficient of friction: 0.06 μ

[M2MP] SealXpert® Moly Micro Powder
- Colour: Blackish
- Purity (MoS2 content): 98 %
- Particle size: 0.65 to 0.80 μm
- Service temperature range: -185 °C to 450 °C
- Service temperature range (in vacuum): Up to 1,100 °C
- Theoretical density: 4.5 g/cm³
- Bulk density: 0.5 g/cm³
- Water/moisture content: 0.05 %
- Coefficient of friction: 0.06 μ

[SP50] SealXpert® SP50 Moly G-Rapid
- Colour: Grayish-black
- Service temperature: -35 °C to 399 °C (Solid)
- (-31 °F to 750 °F)
- Density: 1.70 g/cm³
- Coefficient of friction: 0.05
- Copper corrosion 100 °C/24 hours: 1a

[C1000] SealXpert® Copper Anti-Seize Compound
- Colour: Copper
- Operating temperature range: -40 °C to 1,100 °C
(-40 °F to 2,000 °F)
- Solidifying temperature: -18 °C (0 °F)
- Unworked penetration at 25 °C (77 °F) : 310-340 mm/10
- Contained fluid: mineral oil
- Drop point: 120 °C (540 °F) non-melt
- Closed cup flashpoint: 243 °C (470 °F)
- K factor: 0.16
- Solubility in water: insoluble
- Specific gravity: 1.13

[A1000] SealXpert® Aluminium Anti-Seize
- Colour: Aluminium
- Operating temperature range: -60 °C to 870 °C
(-51 °F to 1,600 °F)
- Solidifying temperature: -18 °C (0 °F)
- Kinematic viscosity of base oil at 40 °C [104 °F] : 94.2 cSt
- Flash point of base oil: 243 °C (470 °F)
- Water resistance: Complete
- Specific gravity: 1.13

[GMP] SealXpert® Moly G-N Paste
- Colour: Black
- Unworked penetration: 280-310 mm/10
- Density at 20 °C (68 °F): 1.35 g/cm³
- Service temperature: -25 °C to 450 °C
(-13 °F to 842 °F)
- Coefficient of friction: 0.08 μ
- Water resistance, static evaluation: 2 - 90
SealXpert® Molybdenum Disulfide Products

Technical data:

**[MOG05] SealXpert® M-800**
- Colour: Dark grey
- Flash point: 38 °C (101 °F)
- Viscosity: 9 cSt

**[SG111] SealXpert® 111 Silicone Grease**
- Colour: Translucent white
- Worked penetration: 290 mm/10
- Drop point: 211 °C (412 °F)
- Operating temperature: -60 °C to 180 °C (-76 °F to 356 °F)

**[SC111A] SealXpert® 111 Silicone Compound**
- Colour: White
- Specific gravity: 1.1
- Flash point: >101.1 °C (214 °F)
- Operating temperature: -57 °C to 204 °C (-70 °F to 400 °F)

**[MOG05] SealXpert® Hi-Temp Moly Grease**
- NLGI grade: #3
- Colour: Black
- Dropping point: 182 °C (360 °F)
- Thickener type: Inorganic
- Texture: Buttery, smooth

**[OWPG25] SealXpert® Open Gear and Wire Rope Grease**
- Colour: Black
- Temperature range: -20 °C to 200 °C (-4 °F to 392 °F)
- Worked penetration: 265-295 mm/10

**[CG04] Moly Grease**
- Colour: Amber
- Specific gravity: 0.83
- Flash point: 165 °C (330 °F)
- Boiling point: 212 °C (414 °F)

**[EPG00] SealXpert® Extreme Pressure Grease**
- Colour: Brown
- Soap type: Lithium hydroxystearate
- Base oil: Mineral
- Base oil viscosity: 180 cSt
- Dipping point: 180 °C (356 °F)

**[TG111] SealXpert® Oxy-Fluor Teflon Grease**
- Colour: White
- Specific gravity: 1.97
- Operating temperature: -60 °C to 154 °C (-76 °F to 310 °F)
- Base oil viscosity: 30 cSt

*SealXpert® Oilfield Products*

Engineered Solutions for the Pipeline Industries
### SealXpert® Aerosol Products

#### Product | Features | Application
--- | --- | ---
**SP10 Contact Cleaner** | • Electronic and electrical cleaner  
• Grease and Oil removing agent | • Electronic and electrical components  
• Hospital and health care equipment  
• Household appliances / marine equipment  
• Mould cleaner

**SP20 Cleaner and Degreaser** | • Heavy duty evaporating cleaner and degreaser  
• Specially formulated for diverse surface cleaning  
• Remove paint, tar, adhesives, heavy oil stains  
• Form a glossy clear layer to protect surface  
• Applicable for various machine parts | • Cleans low-voltage electric motors  
• Cleans heavy duty equipment while in operation

**SP30 Zinc Cold-Galvanising (Bright)** | • High zinc content  
• High adhesion strength on surfaces  
• Protective zinc surface coating | • Repair damaged galvanising surfaces  
• Alternative to hot-dip galvanising  
• Can be applied over bare steel surfaces and weld  
• Used as finished coat

**SP40 Multi-Purpose Lubricant** | • Stops squeaks  
• Loosen rusty, frozen and sticky parts  
• Protects against rust and metal corrosion  
• Removes moisture | • General and multi-purpose lubricating spray for all machine static and rotating parts and components

**SP50 Moly G-Rapid** | • Designed to be running-in lubricant  
• Does not require burnishing  
• Quickly evaporates and allow sprayed parts to be used within seconds  
• Has a high service temperature | • Seizure prevention during machine assembly  
• Seizure prevention and run-in protection for motor axles, splines and cams  
• Lubrication during metal working  
• Pre-treatment of surfaces

**SP60 Silicone Grease** | • Seals, lubricates, protects, insulates and waterproofs  
• Safe on most rubber and plastics  
• Chemical, oil and water resistant  
• Temperature resistant | • O-Rings / spark plugs lubrication  
• Battery terminals / electrical contacts lubrication  
• Gasket lubrication  
• Plastics and rubber component lubrication

**SP70C Varnishcote Clear / SP70R Varnishcote Red** | • Smooth brush-free finish on natural, stained or painted wood  
• Dries in minutes  
• Easy to use | • Protect printed circuit boards against creepage and short circuits  
• Protecting components from condensation and moisture  
• Insulates cables and wires  
• Coating terminal strips, screw connections, and switch boxes that are exposed to atmospheric effects

#### Technical data:

**SP10 Contact Cleaner**
- **Propellant (Aerosol)**: Carbon Dioxide  
- **Appearance**: Clear liquid  
- **Odour**: Mild

**SP30 Zinc Cold-Galvanising (Bright)**
- **Propellant (Aerosol)**: Hydrocarbon  
- **Colour**: Bright silver  
- **Flash Point (Propellant)**: -51 °C (-61 °F)  
- **Corrosion Protection Factor**: 72  
- **Specific Gravity**: 0.67

**SP50 Moly G-Rapid**
- **Colour**: Grayish-black  
- **Service temperature**: -35 °C to 399 °C (Solid)  
- **Density**: 1.70 g/cm³  
- **Coefficient of friction**: 0.05

**SP70C Varnishcote Clear / SP70R Varnishcote Red**
- **Colour**: Clear / Red  
- **Odour**: Solvent odour  
- **Specific gravity**: 0.90  
- **Flash point**: 10 °C (50 °F)

**SP20 Cleaner and Degreaser**
- **Propellant (Aerosol)**: Carbon Dioxide  
- **Appearance**: Clear liquid  
- **Odour**: Mild ethereal

**SP40 Multi-Purpose Lubricant**
- **Appearance**: Aerosol  
- **Colour**: Brown transparent  
- **Odour**: Fragrance  
- **Specific Gravity**: 1.4  
- **Water solubility**: 0.68 ± 0.01 g/cm³  
- **Insoluble in water

**SP40 Silicone Grease**
- **Propellant**: Hydrocarbon  
- **Appearance**: Clear, water-white liquid  
- **Odour**: Mild solvent  
- **Specific Gravity**: 0.87  
- **Flash Point**: <0 °C (<32 °F)

#### Package:
- [SP10] [SP20] [SP30] [SP40] [SP60] [SP70C] [SP70R] 450 ml/can
- [SP50] 500 ml/can
SealXpert® Antiseptic Hand Gel

**Features:**
- Mild antiseptic properties
- Thoroughly clean dirt and grease
- Quickly emulsifies grease
- Mild soap designed for industrial use

**Technical data:**
- Appearance: Viscous Gel
- Colour: White
- Odour: Perfumed
- Solubility in water: Soluble

**Application:**
- Removes oils, grease, grime, ink, fresh paint, tar, soot and all kinds of industrial dirt from hands.

**Package:**
- [XPHG01] 1 kg
- [XPHG04] 4 kg

SealXpert® Pumice Hand Cleaner

**Features:**
- Containing no petroleum solvents
- Thoroughly clean dirt and grease
- Quickly emulsifies grease
- Mild soap designed for industrial use

**Technical data:**
- Appearance: Viscous lotion/cream
- Colour: Off-white
- Odour: Perfumed
- Solubility in water: Soluble

**Application:**
- Removes oils, grease, grime, ink, fresh paint, tar, soot and all kinds of industrial dirt from hands.

**Package:**
- [XPHC04] 4 litres

SealXpert® Hand Cleaning Towels

**Features:**
- Most versatile cleaning towel
- Won’t dry easily
- Thoroughly clean dirt and grease
- Quickly emulsifies grease

**Application:**
- Effective for removal of epoxy and polyester resins.
- Takes off grease, tar, printer’s inks and many other difficult to remove substances.

**Package:**
- [XPHT80] 80 sheets

SealXpert® Rust Remover

**Features:**
- Safe on all metals and most plastics
- Removes the rust and prevents rust formation
- Acts as a rust remover and passivator

**Technical data:**
- Appearance: Clear liquid
- Specific gravity: 1.03
- Boiling point: 100 °C (212 °F)

**Application:**
- Used for removal of rust from metals like structural steel, rib bar, nail, refinery, railway, metal fabrication, and maintenance work shop etc.

**Package:**
- [SRR25] 25 litres

SealXpert® Pickling and Passivation Gel

**Features:**
- Fast-acting and simple to use
- Stain-free and does not impart yellow or black stains after washing with water

**Application:**
- Removes weld scale, black oxides and discoloration from the surface of stainless steel.
- Gives stainless steel surfaces a protective surface to resist corrosion.

**Package:**
- [XPPP01] 1 kg
SealXpert® Cleaner and Degreaser

**Features:**
- Quickly removes stubborn grease
- Designed to dissolve tough, baked-on grease from stainless steel and countertops
- Leaves stainless steel shiny and streak free — no stickiness or residue
- Can be diluted into spray bottle or bucket

**Application:**
- Countertops, stovetops, work surfaces, stainless steel equipment, walls, splash guards, oven exteriors, broiler pans, plastics, glass, kitchen equipment and fiberglass reinforced plastic.

**Package:**
- [XPCG05] 5 litres
- [XPCG18] 18 litres

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SealXpert® Heavy Duty Alkali Cleaner

**Features:**
- Fast cleaning results
- Low dosage
- Cost effective
- Completely safe on epoxy coatings

**Technical data:**
- **Appearance:** Milky white liquid
- **Odour:** Mild
- **Specific gravity:** 1.10 – 1.20
- **pH:** 13.0 – 13.5

**Application:**
- Removal of natural oils and fats
- Cleaning after wax deposits
- Removal of soot deposits from inert gas systems
- Can be used for deodorizing, gas and hydrocarbon freeing of tanks

**Package:**
- [XPAC18] 20 litres

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SealXpert® Oil Spill Dispersant

**Features:**
- Converts oil spills to hydrophilic droplets that are easily biodegradable
- Does not contribute further to pollution
- Easy to handle and apply
- Applicable to mineral oils, crude oils, fuel oils, kerosene, white spirit and lubricant oils

**Technical data:**
- **Appearance:** Clear liquid
- **Odour:** Irritant
- **Specific gravity:** 1.00-1.05
- **pH:** 7

**Application:**
- Can be applied to oil slicks either by aircraft or by ships with spraying equipment
- Used by injection below water to break up oil before it reaches the surface
- Can be used as a tank cleaner for the removal of heavy oil contaminations like crude oil, paraffines etc.

**Package:**
- [XPOS18] 18 litres

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SealXpert® Electric Motor Cleaner

**Features:**
- Neutral, not water soluble
- Has no corroding effect
- Excellent long lasting rust protection
- Non-conductive
- Excellent dissolving ability

**Technical data:**
- **Physical state:** Liquid
- **Colour:** Clear
- **Odour:** Characteristic
- **Vapour density:** >1 [air =1]

**Application:**
- Safe to use on all metals and alloys and most painted/varnished surfaces
- For cleaning of all electrical equipment including motors, generators, switchgears, electrical cables, switches, contacts, electronics, compressors, relays, coils, alarms and etc.

**Package:**
- [XPMC18(S)] 18 litres
SealXpert® Carbon Remover

**Features:**
- Quickly dissolves deposits containing carbon, resins or varnishes
- Simple and economical to use

**Technical data:**
- Physical state: Liquid
- Colour: Clear
- pH: 10-11

**Application:**
- Removes carbon type deposits from burner tips, fuel injectors and all components fouled by carbon, resin or varnishes
- Removes carbon based deposits from fuel and lube oil filters

**Package:**
- [XPCR18(S)] 18 litres

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**FIRE PROTECTION**

FlameCease FC100 Fire Protection Coating

**Features:**
- Low installation cost
- High Durability Fire Tested under British Standard 476 Part 6, 7 & 20
- Contains no halogenated flame retardant
- Excellent lap shear, tensile and compressive strengths
- More specific to address complex issues with different resin types

**Technical data:**
- Gel time: 15 min
- Gel to peak exotherm: 18 min
- Total time to peak exotherm: 28 min
- Peak exotherm temperature: 174 °C (345 °F)
- Barcol hardness: 49
- Tensile strength: 6.672 psi (469 kg/cm²)
- Tensile modulus: 73 x 10⁹ pa
- Heat distortion temperature: 117 °C (243 °F) @ 264 psi (19 kg/cm²)
- Adhesive strength: 1.958 psi (138 kg/cm²)
- Tensile elongation: 2.8%
- Flexural strength: 2.393 psi (1,683 kg/cm²)
- Flexural modulus: 6.8 x 10⁹ pa

**Application:**
- Ideal for use in:
  - Petrochemical plants
  - Chemical processing plants
  - Gas processing facilities
  - Refinery facilities
  - Pipe rack beams and columns
  - Vessel skirts and supports
  - Tank saddles
  - Silo top
  - Automotive/aircraft parts
- Suitable for both interior and exterior applications
- Suitable for onsite and offsite application
- Apply by using brush or paint roller
- Can be used as primer, fire protection coat and top coat, 3-in-1
- May apply any epoxy base paint coating after FC100 base on personal preferences for aesthetic purpose

**Package:**
- [FC100]
  - FC100 Resin (20kg)
  - FC100 Hardener (1kg)

**FlameCease FC100 Fire Protection Coating Application Procedure:**

1. Mix Component A (FlameCease Resin) and Component B (FlameCease Activator)
2. Stir until well mixed
3. Apply by using brush or paint roller