

Introduction

SealXpert® Rubber Repair Putty is a two-component, polyurethane adhesive. It has properties of fast curing at room temperature, non-toxic after cured, good flexibility, high tensile strength, high tearing strength, good abrasion, corrosion, aging and impact resistance.

Typical Applications

Mainly used for repairing and bonding of worn fabric joints, fill joint gaps and reinforce rubber conveyor belts in metallurgy, power, coal mining, etc. industries.

Typical Properties of Uncured Material

	Typical value	Range
<u>Resin</u>		
Appearance	Black thick liquid	
Basic material	Polyurethane prepolymer	

Hardener

Appearance	Brown liquid
Basic material	Amine crosslinker

Typical Properties of Mixed Material

	Typical value	Range
Appearance	Black thick liquid	
Weight ratio (A : B)	11.5:1	
Pot Life (min) (100G@25°C)	7	5-10
Specific Gravity (g/cm ³)	1.10	
Operating Temperature (°C)		<80

Typical Properties of Cured Material

	Typical value
Peeling Strength (N/m)	95
Tensile Strength (MPa)	20
Tearing Strength (N/cm)	70
Elongation (%)	400
Hardness (Shore A)	75
Min. curing time before operation (h) (0-15°C)	3
Min. curing time before operation (h) (20-35°C)	2
Max. Working Temperature (°C)	80
Coverage area (cm ² @6mm thickness)	530

Direction for Use

Surface preparation:

Cut the worn part and clean the surface thoroughly with an abrasive pad and strong cleaner/degreaser. Roughen the surfaced with a grinding wheel and then clean again until the colour of rubber substrate no longer appears on cloth. Apply SealXpert® Surface Treatment Agent and allow surface to dry.

Mixing:

Pour the hardener component to the resin container and stir vigorously for 2 minutes. Ensure the products are mixed evenly.

Dispensing:

Pour half the mixture onto the treated worn rubber surface. In the case of a punctured hole, stick several layers of adhesive tape on the bottom surface to prevent mixture from running off. Pour the other half of the mixture on a piece of rubber fabric (same size as the repair area). Paste the coated rubber fabric onto the worn rubber surface. Spread the mixture evenly over the worn rubber surface with a scraper.

Curing:

The adhesive will cure within 10 minutes. Allow product to cure for minimum of 2 to 3 hours before commence operation.

Note: This product is sensitive to moisture and is prone to foam, which has negative effect on quality and strength. So it is recommended to avoid storing or using the product under conditions of low temperature (under 15°C) and moist environment (above 90% humidity).

Safety and Handling Consideration

Keep away from children.

Keep away from fire and avoid high temperature.

It's recommended to use the product in well ventilated place.

In case of contact with eyes or skin, rinse with clean water immediately; if symptom goes on, call a physical attention.

More details, please refer to MSDS of this product

Recommended Storage:

Stored in a cool and dry location in unopened containers at 8~28°C.

Shelf life is 18 months

Disclaimer: The information contained herein is considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data, the results to be obtained by the use thereof, or that any such use will not infringe any patent. Before using, user shall determine the suitability of the product for the intended use and user assumes all risk and liability whatsoever in connection therewith.