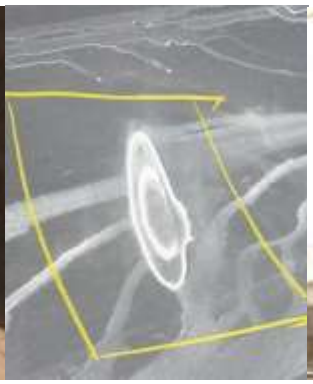
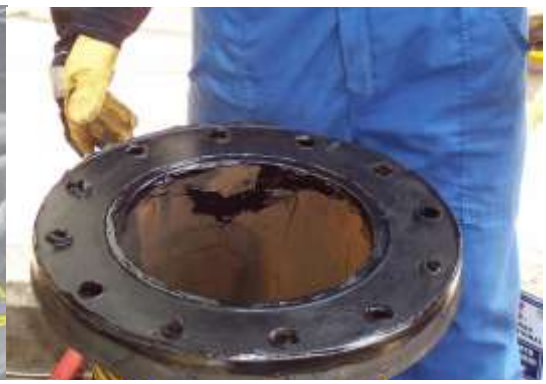
resimac Ltd.

Repair Protect Upgrade

Rubber Repair Systems

Fast Curing Conveyor Belt & Gasket Repair Product

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Introduction to Resiflex 401 GP 60 Putty

Resiflex 401 GP 60 Putty is a two component solvent free urethane repair compound. The product has been specifically developed for repairs to rubber linings, gaskets, conveyor belts and moulding applications.

- Excellent tear and peel strength
- 400% + elongation
- Easy to apply
- Fast curing
- Bonds to a wide range of substrates
- Excellent abrasion and impact resistance

Key Markets for this material—

Mining

Oil & Gas

Power

Chemical

Petrochemical

Marine

Surface Preparation

All existing dirt, oil and grease should be removed from the repair surface using and appropriate solvent cleaner such as MEK (Methyl Ethyl Ketone).

Rubber Surfaces: Any frayed or fragmented rubber should be cut away to provide a sound repair area. Edges of repair areas of belts, hoses etc should be undercut. The surface of the rubber should then be roughened using a scarifying tool such as wire brush or hand carding tool.

Metal Surfaces: the metal surface must be abraded using a handheld mechanical grinder with a coarse pad. A cross hatch pattern must be made on the metallic surface. Make sure the surface is etched and not polished.

Once all surfaces have been abraded they must be cleaned with an appropriate solvent cleaner such as MEK (Methyl Ethyl Ketone).

Priming of metal and rubber surfaces: Apply by brush **Resiflex 402 Multi-surface Primer** to the repair surface and leave for a minimum 20 minutes at 20˚C (68˚F).

Mixing and Application

Do not apply when the ambient or substrate temperature is below 5°C or the relative humidity is above 90%.

Resiflex 401 GP 60 Putty is supplied in a 420gm cartridge with the base and activator components already pre-measured. Heat the cartridge to 20-25˚C prior to use. Cut off the end of the mixing nozzle to ensure you have the largest dispensing capacity. Unscrew the cap on the end of the 420gm cartridge and place in the cartridge gun. Attach the mixing nozzle.

Dispense the mixed product onto the repair surface and smooth out the repair using the applicator tool provided.

If required, Resiflex 401 GP 60 Putty can be used in conjunction with 808 reinforcement tape to create a multi layered reinforcement system.

If it is not practicable to heat the cartridge to 20-25˚C, then do not use the mixing nozzle. Unscrew the cap on the end of the 420gm cartridge and place in the cartridge gun. Dispense the base and activator components onto a clean mixing surface. Using the green spatula provided, mix the base and activator components until you have a uniform mixture. Then apply the mixed material to the primed repair surface.

Technical Specifications

Tensile Strength	ASTM D412	70kg/ cm² (1000psi)
Tear Strength	ASTM D624	36kg/ cm² (200psi)
Elongation	ASTM D412	400%
Shore A Hardness	ASTM D2240	64
Peel Adhesion	ASTM D903	9kg/ cm² (cohesive failure)
Dielectric Strength	ASTM D149	16 KV/mm

Typical Applications

Product Description

2 component solvent free urethane paste

High build

100% solids

Flexible with excellent elongation

Product Characteristics

Mixed product density (gm per cm³)	**1.05**
Dry heat resistance (˚C)	**120**
Intermittent wet heat resistance (˚C)	**80**
Immersion temperature resistance (˚C)	**50**
Mixing ratio by volume	**3:1**
Mixing ratio by weight	**3:1**

Product Characteristics

	20˚C			*30˚C*			*40˚C*		
	Pot life	**Touch dry**	**Hard dry**	**Pot life**	**Touch dry**	**Hard dry**	**Pot life**	**Touch dry**	**Hard dry**
401	10mins	90mins	12 hrs	5mins	45mins	6 hrs	2.5mins	22.5mins	3hrs

Typical Applications

Conveyor Belt & Gasket Repairs

Repair damaged conveyor belt surfaces and gaskets

Abrade repair surfaces and prime with 402 Multi Surface Primer

Inject 401 GP 60 Putty onto the repair surface

Product will be ready for operation within 6 hours.

Resimac Technical Support and Expertise

Formed in 2009 and based in the North of England, Resimac manufactures a wide range of solvent free epoxy and polyurethane coatings and engineering materials for the Marine, Chemical, Water, Power, Oil and Gas Industries.

We are able to offer expert technical advice onsite or online 24 hours a day, 7 days a week in over 45 countries worldwide.

Contact us direct by email, telephone or by visiting our website.

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With over 50 contractors worldwide we are able to offer fast and effective solutions in many of the worlds major industrial areas.

Repair Protect Upgrade

Anti Slip Floor Coatings

Chemical Tank & Vessel Lining

Containment Areas

CUI Prevention

Drinking Water Tank Linings

Engine Blocks

External Surfaces

Filters

Flange Face Repair & Reforming

Floor Resurfacing

Heat Exchanger Repair

Heat Protection

HVAC Repair & Linings

Pipe Repair & Pipe Wrapping

Plate bonding

Pump & Process System Repairs

Roof & Gutters

Rubber Repair

Rudders & Bow Thrusters

Tank Base Sealing

Transformer Repairs

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