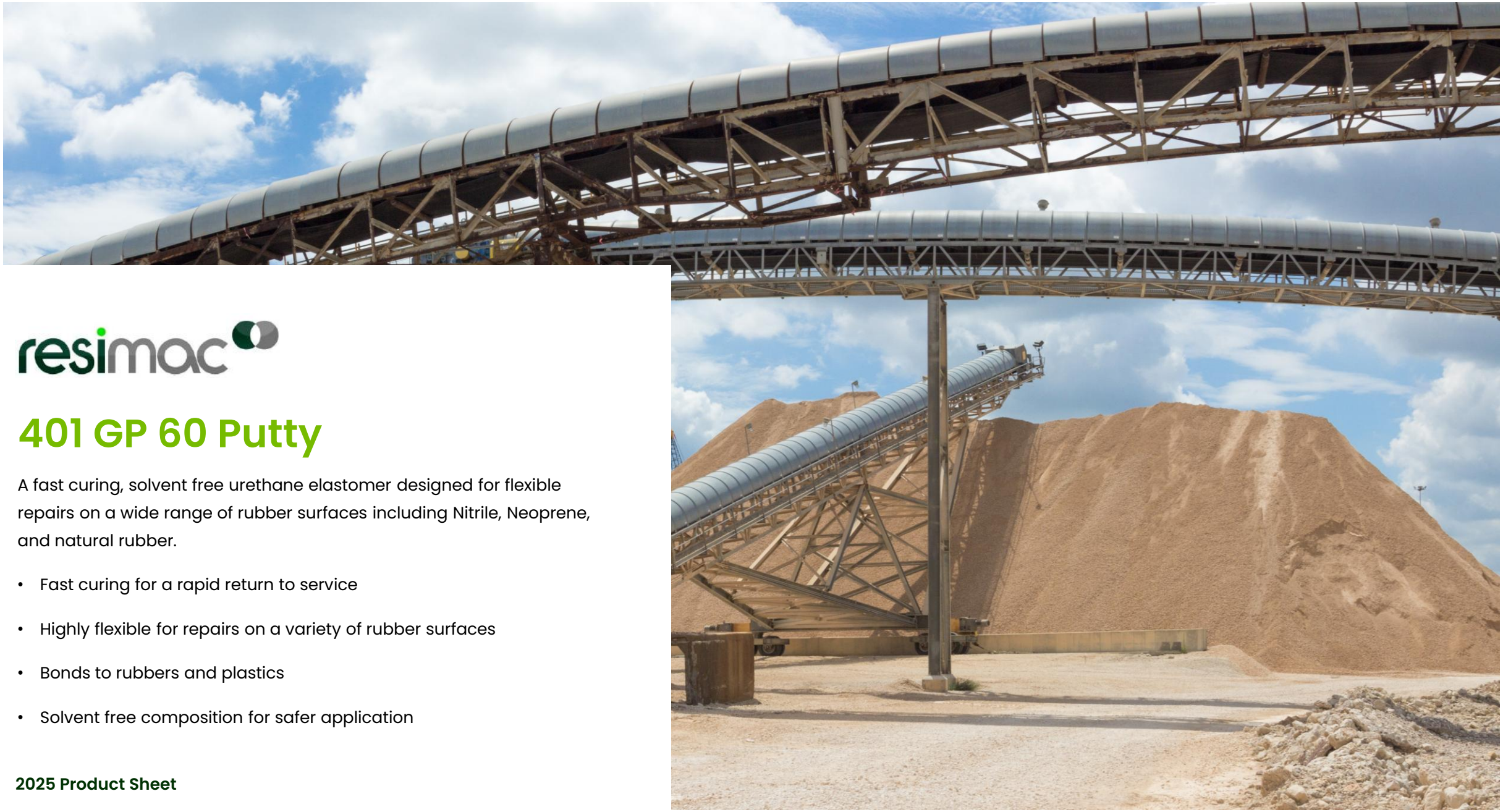

401 GP 60 Putty

A fast curing, solvent free urethane elastomer designed for flexible repairs on a wide range of rubber surfaces including Nitrile, Neoprene, and natural rubber.

- Fast curing for a rapid return to service
- Highly flexible for repairs on a variety of rubber surfaces
- Bonds to rubbers and plastics
- Solvent free composition for safer application

2025 Product Sheet

Typical Applications

401 GP 60 Putty is a two component, fast curing, solvent free urethane elastomer designed for repairing rubber surfaces like Nitrile, Neoprene, and natural rubber. This highly flexible repair paste provides a rapid return to service, ensuring minimal downtime in industrial applications. Its fast curing properties make it an ideal choice for repairs that need to be completed quickly and efficiently, while the solvent free composition ensures a safer application with minimal environmental impact.

- Conveyor belts
- Gasket sealing
- Lining of process equipment

Characteristics

Appearance

Base	Black paste
Activator	Opaque paste
Mixed	Black paste

Density

Base	1.06
Activator	1.025
Mixed	1.05

Solids Content

100%

Mixing Ratio

By weight	1:3
By volume	1:3

Volume Capacity

657cc/kg

Storage Life

1 years if unopened and stored in normal dry conditions, 15-30°C (59-86°F)

Sag Resistance

Nil at 20mm

Cure times

Usable Life		Min overcoating time		Max overcoating time		Water/Seawater Immersion		Chemical Immersion	
10°C/50°F	10 mins	10°C/50°F	2 hours	10°C/50°F	72 hours	10°C/50°F	6 days	10°C/50°F	14 days
20°C/68°F	5 mins	20°C/68°F	1 hours	20°C/68°F	36 hours	20°C/68°F	3 days	20°C/68°F	7 days
30°C/86°F	2.5 mins	30°C/86°F	30 mins	30°C/86°F	18 hours	30°C/86°F	36 hours	30°C/86°F	3.5 days
40°C/104°F	1 mins	40°C/104°F	15 mins	40°C/104°F	9 hours	40°C/104°F	18 hours	40°C/104°F	42 hours

Please note that the coverage rates quoted are theoretical and do not take into consideration the profile or condition of the surface being repaired.

Mechanical Properties

Taber Abrasion Resistance
Tested to ASTM D4060 day cure at 20°C (68°F)
CH18 wheels dry 365 (cu mm³)/1000 cycles

90°C (194°F) Peel Adhesion to Steel
Tested to ASTM D429, abrasive blasted & primed with 402 Primer:
2850 kg/m 160pli

180°C (356°F) Peel Adhesion to Rubbers
Tested to ASTM D413
Roughened with MBX & primed with 402 Multi Surface Primer:

Neoprene	696 kg/m 39 pli (TF)
Butyl	357 kg/m 20 pli (CS)
Nitrile	393 kg/m 22 pli (CS)
Natural	178 kg/m 10 pli (CS)
EPDM	428 kg/m 24 pli (CS)
TF	Tape failure
CS	Cohesive failure in substrate

Adhesion
Tensile Strength tested to ASTM D412
70kg/cm² (1000psi)
Tear Strength tested to ASTM D624
3570kg/cm² (200psi)
Elongation tested to ASTM D412 400%

Dielectric Strength
Tested to ASTM D149 16KV/mm

Heat Resistance
Long term water immersion:
50°C (122°F)
Intermittent water immersion:
80°C (176°F)
Dry heat resistance:
120°C (248°F)

Hardness
Shore A to ASTM D2240: 64

Details & Legal

Chemical Resistance
The product resists attack by a wide variety of inorganic acids, alkalis, salts and organic media. For more detailed information refer to the Resimac Technical Centre for advice.

Warranty
Resimac warrants that the performance of the product supplied will conform to the typical descriptions quoted within this specification provided material is stored correctly and used according to the procedures detailed in this document.

Quality
All Resimac Products are supplied under the scope of the company's fully documented quality system.

Pack Sizes
This product is available in the following pack sizes:
0.5kg (1.1lbs)

Coverage

0.5kg of fully mixed product will give the following coverage rates:

0.47m² at 1mm	5ft² at 40mil
0.23m² at 2mm	1.7ft² at 1/8"
0.16m² at 3mm	1.7ft² at 1/8"

Application Guide

A. Surface Preparation

Metallic Substrates: Mechanical abrasion

1. All oil and grease must be removed from the surface using an appropriate cleaner such as MEK.
2. All surfaces must be mechanically abraded using handheld grinders to ISO 8501/4 ST3 (SSPC SP3 ST3).
3. Once abraded, the surface must be degreased and cleaned using MEK or similar type material.

Metallic Substrates: Abrasive blast cleaning

1. All oil and grease must be removed from the surface using an appropriate cleaner such as MEK.
2. All surfaces must be abrasive blasted to ISO 8501/4 Standard SA2.5 (SSPC SP10/ NACE 2) minimum blast profile of 75 microns (3mil) using an angular abrasive.
3. Once blast cleaned, the surface must be degreased and cleaned using MEK or similar type material.
4. All surfaces must be coated before gingering or oxidation occurs.

Health & Safety

Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves and other recommended personal protective equipment must be worn during the mixing and application of this product.

Before mixing and applying the material please ensure you have read and fully understood all information.

Concrete Substrates:

1. If the concrete surface is contaminated, pressure wash using clean water.
2. Once the concrete is dry, lightly abrasive blast or scarify taking care not to expose the aggregate.

Rubber (Natural, Neoprene and Nitrile):

1. All oil and grease must be removed from the surface using an appropriate cleaner such as MEK.
2. Rubber substrates must be abraded with mechanical or hand tools capable of creating a rough, furry finish (i.e. bristle blaster or rotary wire brush).
3. Depending on the tools used and substrate type/hardness, different speeds or abrasive heads may be required.

B. Product Preparation

Prior to mixing, please ensure the following:

1. The ambient & surface temperature are above 10°C (50°F).
2. The ambient and surface temperature are not less than 3°C (6°F) above the dew point.

PLEASE NOTE: For salt contaminated surfaces the substrate must be pressure washed with clean water and checked for salt contamination, please refer to the surface preparation and pre-application guide for further information.

Once all surfaces, metallic, rubber or concrete, have been prepared, apply 402 Multi surface Primer to all surfaces using a brush. Apply the primer as thinly as possible (avoid ponding) to the surface and leave to cure for a minimum of 20 minutes and no longer than 4 hours at 20°C (68°F).

C. Mixing

Mix the complete unit of material (0.5kg):

1. 401 GP 60 Putty is supplied in a twin compartment (butterfly) bag with the base and activator components already pre-measured.
2. Remove the bag from the outer foil container and where possible, warm to around 20°C (68°F) to ease mixing.
3. Remove the plastic divider, thoroughly and vigorously mix the 2 components by hand until homogeneous.
4. Cut the end of the foil bag and dispense onto a clean plastic mixing board, check for streaks and further mix with a plastic spatula where appropriate.

PLEASE NOTE: From the commencement of mixing, the material should be used within 5 minutes at 20°C (68°F).

D. Application

Step 1

Transfer the mixed material onto the correctly prepared substrate.

Step 2

Smooth with the supplied plastic applicator.

Step 3

If required, encapsulate a layer of 807/808 reinforcing tape to create a strengthened laminate system.

Quick Application Guide

Step 1

Ensure you have:
1 x 1.5kg sachet
1 x 402 Primer
1 x spatula
1 x applicator tool
1 x 807/808 Reinforcing tape
1 x mixing board

Step 2

Remove sachet from the outer foil bag. Remove the plastic divider, thoroughly and vigorously combine both parts.

Step 3

Cut the edge of the sachet and dispense onto a clean mixing board, mix until streak free.

Step 4

Apply to the correctly prepared & primed (402) substrate. Encapsulate 807/808 tape as required.

Step 5

Using the applicator tool provided, apply the mixed material to a smooth finish across the primed area.

About Resimac

A UK based manufacturer of epoxy and polyurethane coatings and repair materials.

From our head office in the heart of rural North Yorkshire, England we supply our range of Epoxy, Polyurethane & Silicone coatings and repair materials to the Oil & Gas, Petrochemical, Marine, Paper & Pulp, Water, Power Generation & Chemical Industries.

Legal Notice

Information & Enquiries

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