

RESIFLEX 406 GP 85 Repair Putty

Resiflex 406 GP 85 Putty is a two component solvent free urethane elastomer. The product has been specifically developed for repairs to a wide range of rubber surfaces such as nitrile, neoprene & natural rubber and for the abrasion resistant lining of steel.

Typical Applications

Repairs to conveyor belts, gasket sealing and lining of process equipment such as chutes, hoppers fans and pumps.

Characteristics

Appearance

Base: Black paste
Activator: Amber paste
Mixed: Black paste

Mixing Ratio

By weight: 100:26
By volume: 100:23

Density

Base: 1.05
Activator: 1.15
Mixed: 1.08

Solids content

100%

Slump Resistance

Nil at 2.5 cm

Coverage

500g will cover 0.46m² at a nominal thickness of 1mm not allowing for losses.

Cure Times

The applied material should be allowed to harden for the times indicated below before being subjected to the conditions indicated:

Usable life

10°C 15 minutes
20°C 9 minutes
30°C 4 minutes
40°C 2 minutes

Minimum overcoating time

10°C 60 minutes
20°C 30 minutes
30°C 20 minutes
40°C 15 minutes

Maximum overcoating time

10°C 72 hours
20°C 36 hours
30°C 18 hours
40°C 9 hours

Light loading Dry

10°C 16 hours
20°C 8 hours
30°C 6 hours
40°C 4 hours

Heavy Loading Dry

10°C 48 hours
20°C 24 hours
30°C 20 hours
40°C 16 hours

Water / sea water immersion

10°C 6 days
20°C 3 days
30°C 36 hours
40°C 18 hours

Chemical immersion

10°C 14 days
20°C 7 days
30°C 3 days
40°C 36 hours

Storage life

1 year if unopened and stored in normal dry conditions (15- 30°C)

Mechanical Properties

Tensile Strength

Tested to BS EN ISO 37
100 kg/cm² (1450psi)

Elongation

Tested to BS EN ISO 37
900%

Tear Strength

Tested to BS EN ISO 34
4690kg/m (262pli)

Shore A Hardness

Tested to BS EN ISO 868
85

Linear Shrinkage

500x 50x 10mm <0.05%

90 ° Peel

Adhesion to Steel

Tested to ASTM D429
Abrasive blasted and primed
with Resiflex 402
3132 kg/m (175pli)

180 ° Peel Adhesion to Rubbers

Tested to ASTM D413
Roughened with MBX and
primed with Resiflex 402

Neoprene (TF)	609 kg/m	34 pli
Nitrile (CS)	377 kg/m	21 pli
Natural (CS)	215 kg/m	12 pli
EPDM (CS)	428 kg/m	24 pli

TF = Tape failure
CS = Cohesive failure in substrate

Los Angeles Abrasion Test (modified)

After 7 days cure at 20 ° C using granite and 150# silicon carbide.

Volume loss per week
0.92%

Heat Resistance

Suitable for long term water immersion at temperatures up to 50°C and intermittent contact water contact up to 80°.

Resistant to dry heat up to 120°C.

Chemical Resistance

The product resists attack by a wide variety of inorganic acids, alkalies, salts and organic media. Refer to the Resimac Technical Centre for advice.

Quality

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

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 the Technical Data Sheet for the material.

Health and 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 the detailed Material Safety Data Sheet

Legal Notice: The data contained within this Product Specification is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the customer to determine the products suitability for use. Resimac accepts no liability arising out of the use of this information or the product described herein.