RESIFLEX 401 GP 60 PUTTY

Resiflex 401 GP 60 Putty is a two component fast curing 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.

Typical Applications

The product has been specifically developed for repairs conveyor belts, gasket sealing, lining of process equipment

Characteristics

Appearance

Base:	Black paste
Activator:	Opaque paste
Mixed:	Black paste

Mixing Ratio

By weight:	3:1
By volume:	3:1

Density

Base:	1.06
Activator:	1.025
Mixed:	1.05

Solids content

100%

Slump Resistance

Nil at 2.0 cm

Coverage

500gm sachet will cover 0.47m² at a nominal thickness of 1mm.

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	10 minutes
20°C	5 minutes
30°C	2.5 minutes
40˚C	1 minute

Minimum overcoating time

10°C	2 hour
20°C	1 hour
30°C	30 minutes
40˚C	15 minutes

Maximum overcoating time

10°C	72 hours
20°C	36 hours
30°C	18 hours
40˚C	9 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	3.5 days
40˚C	42 hours

Storage life

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

Mechanical Properties

Tensile Strength

Tested to ASTM D412

70kg/cm² 1000psi

Tear Strength

Tested to ASTM D624

3570kg/m 200pli

Elongation

Tested to ASTM D412

400%

Shore A Hardness

Tested to ASTM D2240

64

90 degree Peel Adhesion to Steel

Tested to ASTM D429

Abrasive blasted and primed with Resiflex 402:

2850 kg/m 160pli

180 degree Peel Adhesion to Rubbers

Tested to ASTM D413

Roughened with MBX and primed with Resiflex 409

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

TF = Tape failure

CS = Cohesive failure in substrate

Taber Abrasion resistance

Tested to ASTM D4060

1 day cure at 20 degrees C

H18 wheels dry 365 cu mm/1000 cycles

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Dielectric Strength
Tested to ASTM D149
16KV/mm

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, alkalis, 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

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