

RESIFLEX 401 GP Putty

Resiflex 401 GP 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.

Typical Applications

Suitable for emergency repairs or part of planned maintenance to equipment such as line process equipment to dampen noise, repairs to conveyor belts, gasket sealing, lining of process equipment such as pumps, valves, chutes and hoppers.

Surface Preparation

All oil and grease must be removed from the surface of the repair using an appropriate cleaner such as MEK. For optimum performance on metallic surfaces, the surface should be abrasive blasted to Swedish Standard SA2.5 and a minimum blast profile of 75 microns using an angular abrasive. Once blast cleaned, the surface must be degreased and cleaned using MEK or similar type material. All surfaces must be repaired before gingering or oxidation occur.

PLEASE NOTE: For salt contaminated surfaces the area must be abrasive blast cleaned as mentioned above and left for 24 hours to allow any ingrained salts to come to the surface. After this 24 hour period the surface must be washed with MEK prior to brush blasting to remove the surface salts. This process must be repeated until all ingrained contaminants have been sweated out of the surface.

For rubber surfaces, all oil and grease must be removed from the surface using an appropriate cleaner such as MEK. To roughen the surface use a mechanical grinding wheel to abrade the rubber so it has a coarse finish. The rubber must then be cleaned using an appropriate cleaner to ensure all loose material and contaminants have been removed.

Priming

For metallic surfaces Resiflex primer MS must be used. Apply a thin film of primer to the prepared surface and allow to dry tack free for 15 minutes.

For rubber surfaces Resiflex primer RS must be used. Apply a thin film of primer to the prepared surface and allow to dry tack free for 15 minutes. On porous rubber surfaces it may be necessary to do multiple coats.

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 Putty is supplied in a 200ml cartridge with the base and activator components already pre-measured. Take the metal clip off the green nose plug on the cartridge. Unscrew the opaque cap at the end of the cartridge and pull off the green nose plug (please retain if only part mixing the cartridge contents).

Injection – if injecting the material into an expansion joint, gasket area or between close fitting components please attach the mixing nozzle supplied. Mount the cartridge into the metal cartridge gun and squeeze the gun trigger until the material is dispensed at the end of the nozzle. (No hand mixing of material is required using the correct mixing nozzle).

Rebuilding and resurfacing – If required the material can be hand mixed on a clean plastic surface and applied to rubber or metallic surface for rebuilding or resurfacing. Mount the cartridge into the metal gun and squeeze the gun trigger until the base and activator are dispensed onto the plastic mixing board. Using the spatula provided mix the base and activator until they become streak free and consistent. Apply the paste onto the prepared repair surface.

Cure Times

At 20°C the applied materials should be allowed to harden for the times indicated below before being subjected to the conditions indicated. These times will be extended at lower temperatures and reduced at higher temperatures:

Usable Life	25mins
Movement without load or immersion	1 hour
Light loading	10 hours
Full loading	16 hours
Immersion	24 hours

Over-coating times

Minimum - the applied material can be over-coated as soon as it is touch dry.

Maximum - the over-coating time should not exceed 3 hours.

Where the maximum over-coating time is exceeded, the material should be allowed to harden before being abraded or flash blasted to remove surface contamination.

Storage Life

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

Technical data and Performance

Volume Capacity	240cc/Kg
Cured Hardness Shore A	87

Health and Safety

Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves must be worn during the mixing and application of this product. Before mixing and applying the material please ensure you have read the fully detailed Material Safety Data Sheet.

Legal Notice: The data contained within this Technical Data Sheet 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.