

FLEXANE GENERAL PURPOSE PUTTY

PRODUCT INFORMATION

	<u>Stock No.</u> 15821	<u>Package Size</u> 500g
Description	A tough fast curing rubber urethane compound for sealing, repairing and moulding applications.	
Recommended Applications	• Lines process equipment to dampen noise • Potting and encapsulating compounds • Repairs and rebuilds conveyor belts • Gouge repair in rubber belting • Gasket sealer • RASH tile sealing	

PRODUCT DATA

Typical Physical Properties	Colour	Black		
	Mix Ratio by Volume	2:1		
	Mix Ratio by Weight	2.52:1		
	% Solids by Volume	100		
	Pot life at 25°C/ mins	25		
	Specific Volume CC/Kg	848		
	Cured Shrinkage cm/cm	0.0007		
	Specific Gravity	1.18		
	Temperature resistance	Wet 49°C Dry 82°C		
	Coverage	0.848m ² /Kg @ 1mm		
	Cured Hardness / Shore	87 A		
	Dielectric Strength kV/mm	14		
	Tensile Strength / MPa	23.5		
	Elongation / %	200		
	Tear resistance / N/mm	52.5		
	Thickness per Coat / mm	As Required		
	Functional Cure Time /Hours	10		
	Recoat Time /Hours	N/A		
	Mixed Viscosity /cps (where applicable)	Putty		
Chemical Resistance	7 days room temperature cure (30 days) - Testing carried out 30 days immersion at 21°C			
	Ammonia Cutting	Very Good	Methylene Chloride	Poor
	Oil Isopropyl	Poor	Sodium Hypochlorite 5% (Bleach)	Fair
	Alcohol	Poor	Sodium Hydroxide 10%	Very Good
	Gasoline (Unleaded)	Poor	Sulphuric Acid 10%	Very Good
	Hydrochloric Acid 10%	Very Good	Xylene	Poor
	Methyl ethyl Ketone (MEK)	Poor		
	Excellent = +/- 1% weight change			
	Very Good = +/- 1-10% weight change			
	Fair = +/- 10-20% weight change			
	Poor = > 20% weight change			



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APPLICATION INFORMATION

Cure	Tack-free time is 60 minutes. A functional cure of 90% will be reached in 10 hours and it is then ready for service. Full cure is in 16 hours
Surface Preparation	General Surface Preparation <u>Metal Surfaces:</u> Thoroughly clean the area that is to be repaired, rebuilt or lined by using MEK, Acetone, IPA or similar. All oil, grease and dirt must be removed before applying Flexane material. All surfaces must be roughened by grinding with a coarse wheel or an abrasive disc pad. <u>Maximum Adhesion:</u> Sandblast the application surface using an angular abrasive to achieve a minimum depth profile of 50-75 microns. Blast to near white finish specification SSPC-SP5 (Steel Structure Painting Council). After sandblasting application surface should be primed immediately to prevent oxidation. <u>Rubber Surfaces:</u> Thoroughly clean the rubber area with an abrasive pad and MEK, Acetone, IPA or similar. You may take a grinding wheel and roughen the surface. The rubber surface must be coarse and free from oil and dirt clogged in the 'pores' of the rubber. Using MEK, Acetone, IPA or similar wipe or roughen surface until the colour of the rubber substrate no longer appears on cloth. The rubber should look new or a deeper black in colour. <u>Priming Surfaces:</u> On metal surfaces apply a coat of FL-10 Primer and allow to dry tack free for 15 minutes. Any metal surfaces that require the maximum tear resistance and are being used as a submersible application or wet environment you should use both FL-10 and FL-20 Primer. On rubber and urethane surfaces apply a coat of FL-20 Primer and allow to dry tack free for 15 - 20 minutes. On porous rubber surfaces, it may be necessary to do multiple coats.
Mixing	Add curing agent to the Flexane resin container and stir vigorously for 2 minutes. Ensure that the two parts are fully mixed by scraping along the bottom and side of the container.
Application	For best results, product should be kept and applied at room temperature. Flexane GP Putty can be applied when temperatures are between 15°C and 30°C. Spread Flexane GP Putty over suitably prepared surface with a putty knife. Press firmly to ensure maximum surface contact and avoid trapping air.
Shelf life & Storage	Flexane GP Putty should be stored in a cool, dry place when not used for a long period of time. A shelf life of 2 years from date of manufacture can be expected when stored at room temperature (22°C) in their original containers.
Precaution	For complete safety and handling information, please refer to the appropriate Material Safety Data Sheet prior to using this product.
Warranty	ITW Devcon will replace any material found to be defective. As the storage, handling and application of this material is beyond our control we can accept no liability for the results obtained.
Disclaimer	All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Devcon makes no representations or warranties of any kind concerning this data. For product information visit www.bigagroup.com / www.devconeurope.com alternatively for technical assistance please call +385 52 880 882 or send an e-mail to biga@biga.hr.



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