



TECHNICAL DATASHEET – FLEXANE GENERAL PURPOSE PUTTY A TROUGH FAST CURING RUBBER URETHANE COMPOUND

Revised: 05/2018

ORDERING INFORMATION

STOCK NO.: 15060

PACKAGE SIZE: 200ml Cartridge

STOCK NO.: 15821

PACKAGE SIZE: 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**

	POOR	FAIR	VERY GOOD	EXCELLENT
AMMONIA			•	
CUTTING OIL	•			
ISOPROPYL ALCOHOL	•			
GASOLINE (UNLEADED)	•			
HYDROCHLORIC ACID 37%			•	
METHYL ETHYL KETONE (MEK)	•			
METHYLENE CHLORIDE	•			
SODIUM HYPOCHLORITE 5% (BLEACH)		•		
SODIUM HYDROXIDE 50%			•	
SULPHURIC ACID 98%			•	
XYLENE	•			

Excellent = +/- 1% weight change, Very Good = +/- 1-10% weight change, Fair = +/- 10-20% weight change, Poor = > 20% weight change

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

METAL SURFACES: Thoroughly clean the area that is to be repaired, rebuilt or lined by using Devcon Fast Cleaner 2000 Spray/Cleaner Blend 300. 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.

MAXIMUM ADHESION: Sandblast the application surface using an angular abrasive to achieve a minimum depth profile of 2-3 mils. Blast to near white finish specification SSPC-SP5 (Steel Structure Painting Council). After sandblasting application surface should be primed immediately to prevent oxidation.

RUBBER SURFACES: Thoroughly clean the rubber area with an abrasive pad and Devcon Cleaner Blend 300. 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 Devcon Fast Cleaner 2000 Spray /Cleaner Blend 300 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.

PRIMING SURFACES: 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

Take metal clip off green "nose plug" of the 200ml cartridge. Unscrew retaining clip from the nose plug. Pull off green nose plug (save to reseal if you do not use entire contents). Take correct mix nozzle and slip through retaining nut. Mount to nose plug and screw in retaining clip firm to nose plug.

APPLICATION

Mount cartridge onto the manual application gun. Clip mixing nozzle back to desired diameter, squeeze gun until desired bead of material dispensed.

Note: Because of the thickness of the plastic mixer nozzle a sharp blade is necessary to cut the tip.

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 Performance Polymers 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 Performance Polymers makes no representations or warranties of any kind concerning this data.

For product information visit www.devconeurope.com alternatively for technical assistance please call +353 61 771 500.