

DATA SHEET

601 “P” ELASTOMER

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V1-22/11/2013

DESCRIPTION

- A chemical resistant, Polyurethane sealant for concrete, wood, fibreglass or metal.

CHEMICAL RESISTANCE

- See reverse for detailed resistance Chart.

MECHANICAL PROPERTIES

- | | |
|----------------------------------|------------------|
| - Tensile strength: | 6-15 N/mm @ 25°C |
| - Recovery elongation: | 180-220% @ 25°C |
| - Shore A Hardness: | 75-82 |
| - Abrasion Resistance NBS Index: | 120-140 |
| - Tear Resistance: | 6-11 N/mm |

SURFACE PREPARATION

- All surfaces should be clean, dry and free of oil, rust, etc.
(Steel)
- Apply over clean epoxy coated steel.
- Abrade the surface and solvent wipe
- Prime with 211P MCU Primer.
- (Concrete)**
- Acid etch or mechanically scabble if the concrete is steel floated. Prime with 102 Epoxy primer.
- (Off shutter Concrete)**
- Ensure concrete is oil free.

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APPLICATION

- Mix the elastomer in the proportions provided and pour into the joint. Do not mix more than can be poured in 10 minutes or applied vertically in 20 minutes

CLEANING EQUIPMENT

- Clean All Equipment Immediately After Use With Water Soluble Brush Cleaner.

SAFETY

- Although 601 is relatively inert when cured, care should be taken when mixing and applying the product. Refer to the 16 Point Safety Data Sheet.

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“P” ELASTOMER CHEMICAL RESISTANCE CHART

ACID	EFFECTS
Phosphoric 56%	No effect
Sulphuric 20%	No effect
Sulphuric 50%	No effect
Acetic 20%	No effect
Hydrochloric 37%	Slight discoloration
Hydrofluoric 10%	Slight discoloration
Hydrogen Sulphide	Slight discoloration
Chromic Acid 15%	No effect
Aqua Regia 10%	No effect
Nitric Acid 15%	No effect
Fluosilicic Acid	No effect
<u>BASES</u>	
Sodium Hydroxide 5%	No effect
Sodium Hydroxide 33%	No effect
Ammonium Hydroxide 5%	No effect
Ammonium Hydroxide 30%	No effect
<u>ALCOHOLS</u>	
Ethanol 8% @ 66°C	0.03 mg extractives/cm ² in 2 hours
Ethanol 98%	Slight discoloration
<u>HYDROCARBONS</u>	
Crude oil @ Ambient	No effect
Crude oil @ 120°C	Softens, no other effect
Magnesium Sulphate, saturated (Ambient)	No effect
Ferric Chloride 1%	No effect
Sodium Sulphate (wet solid)	No effect
Sodium Sulphite (wet solid)	No effect
Sodium Carbonate (wet solid)	No effect
Potassium di Phosphate	No effect
Ammonium di Phosphate	No effect
Potassium Permanganate	Discoloration
Freon	No effect

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ACID

EFFECTS

OTHER CHEMICALS

Magnetic acid, Paper Mill	No effect
Black Liquor, Paper Mill	No effect
Oxygenated Wastewater	No effect
Raw Sewage	
Methane Gas	No effect
Alkaline Drilling Mud	No effect
Liquid Phosphate Fertiliser	No effect
Hydrogen Peroxide 30%	Slight discoloration
Chlorine Water (Filtrate) 0.1%	Slight discoloration
Sodium Hypochlorite 5.25%	Slight discoloration
Chlorine Dioxide 1.5%	No effect
Sulphur Dioxide 5%	Slight discoloration
Magnesium Bisulphite 5%	No effect
Formaldehyde Chlorinated Biphenyl	No effect

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TECHNICAL DATA

COLOUR	: Amber
MIXING RATIO	: Mix as supplied (do not split pack)
GEL TIME (500ml @ 25°C)	: Initial gel - 10 minutes.
	: No Slump 10 –55 mins
TOUCH DRY	: 4 Hrs
PRACTICAL CURE	: 12 Hrs
FULL CURE	: 48 Hrs
USAGE (10x10mm joint)	: 1 litre = 10 linear metres
(20x20mm joint)	: 1 litre = 2.5 linear metres
SOLVENT CONTENT	: Nil
DENSITY @ 25°C	: 1, 14 gm / cc

The technical data furnished is obtained from controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven fault our liability will be limited to the replacement of the product only. It is the users' responsibility to confirm the currency of product data sheets.