

DUROPROOF™ PU SEALANT

Polyurethane Joint Sealant

Duroproof™ PU Sealant is a low modulus, single component, Class A polyurethane sealant. Once cured it will form a tough, flexible seal capable of cyclic expansion and compression movement of 50% ($\pm 25\%$) of the original joint width. Its excellent weather-ability enables it to retain its original properties after years of exposure.

PRINCIPLE CHARACTERISTICS

- Low modulus 50% ($\pm 25\%$)
- Excellent durability
- Single component, no mixing required
- UV stable
- Paintable and non-staining

USE AREAS

- As a waterproofing bond breaker in wall/floor joints.
- As a waterproofing floor joint sealant
- Concrete, brick, blockwork & plasterboard.
- Precast & tilt up panels, & aluminum windows.
- Granite, sandstone, marble, GRC, fibreglass & specialty panel systems
- Metal curtain walls and water tanks

APPLICATION

- Clean and dry all surfaces by removing all foreign matter, contaminants and any protective coatings. Dust and loose particles should be blown out of joints. Non porous surfaces may require priming. Cleaning solvents should not be allowed to evaporate without being wiped with a clean dry cloth.
- N49 Primer should be used in all horizontal applications and is recommended for porous surfaces.
- N40 Primer is recommended for non-porous surfaces (metal, plastic).

FLOOR JOINTS

- Prime prior to the installation of the backing rod
- Always use backing rod for correct sealant geometry
- In floor joints use a sealant depth to width ratio of 1:1 for up to 12mm and 2:1 from 12mm to 50mm wide joints
- Tool sealant surface to achieve concave shape.

BOND BREAKER AT WALL/FLOOR JUNCTION

- Apply a bead of sealant into the corner joint and tool off to a concave fillet 8-10mm in width.

PRECAUTION It should be fully cured when used under water-based urethane and acrylic membranes. Should not be used in chlorinated water such as swimming pools, spas etc. Should not be used in constantly immersed salt water or used in glazing applications. Do not apply to any material containing bitumen. It should not be applied to new cement based substrates within 28 days. Should not be used in trafficable joints that are greater than 10mm in width. Do not apply below 5°C and above 30°C

GENERAL

Colour	Grey, thixotropic mastic
Coverage	19 metre bead at 6mm dia.
Cure method	Moisture curing
Tack free time	6-12 hours @ 25°C
Full cure	7 days @ 25°C
Tensile strength	1.3mPa
Elongation at break	>900%

PACKAGING

- 600ml sausage

The information provided in this technical bulletin is as correct in detail as possible and is intended to give a fair description of the product and its capabilities. In practice, the substrate and environmental conditions vary widely, making it essential for the user to determine the products suitability for a particular application and that the product is not used beyond its physical limitations. The product is guaranteed providing that it is applied in accordance with the manufacturer's instructions as stated in this data sheet and any relevant Standard or Code and provided that the building and installation is structurally sound. Durotech terms and conditions of sale apply.

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