

GENERAL DESCRIPTION

AXEL FLEX SEAL 151 is a single component, low modulus polyurethane sealant that is cured via air humidity to form a soft, elastic, weatherproof seal.

RECOMMENDED USES

AXEL FLEX SEAL 151 is designed for sealing joints where a high performance sealant is required in:

- * Bridge and block work
- * Marbles, Granites and GRC facades
- * Expansion and Construction Joints in pre-cast and concrete
- * Window and door perimeter sealing
- * External cladding, curtain walls etc.

CHARACTERISTICS & ADVANTAGES

- * Excellent weathering resistance
- * Excellent elasticity and flexibility
- * Non-staining
- * Low VOC.
- * Highly durable
- * Can be over painted
- * Stable extrudability

COVERAGE

FORMULA: $600 / \text{width (mm)} \times \text{Joint depth (mm)} = \text{meter run covered.}$

COLOURS

Grey

PACKING

600 ml / sausage

STORAGE

Store in a dry, cool and shaded place

SHELF LIFE

12 months from the date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions.



SURFACE PREPARATIONS

Clean all joints by removing foreign matters and contaminants such as oil, dust, grease, water, old sealants and any protective coatings by grinding, saw cutting, blast cleaning (sand or water), mechanical abrading or a combination of these methods to provide a sound, clean and dry surface for sealant application. Surface dirt, loose particles, etc., should be blown out of joints with oil-free compressed air vacuum cleaned. Non-porous and plastic surfaces should be cleaned with AXEL SOLVENT 914.

Porous substrates (concrete and masonry) should be primed with AXEL PU PRIMER 1008 wherever required. Allow primer to dry for between 15 minutes to a maximum of 6 hours.

METHOD OF APPLICATION

- * Place AXEL FLEX SEAL 151 sealant into a barrel gun.
- * Apply the sealant in a continuous operation using enough pressure to properly fill and seal the joint.
- * Tool off the surface of sealant immediately, with sufficient pressure to spread the sealant against the back-up material and joint surfaces.

Notes:

- * More joint movement can be accommodated in a thin bead of sealant than a thick bead. Sealant depth should be a minimum of 6 mm or half of the joint width, whichever is greater.
- * Wet tooling using solvent, soap/detergent solutions are not recommended.
- * Not suitable for use in condition that constantly immersed salt water.

CLEANING OF TOOLS

Clean all tools and application equipment with solvent immediately after use. Hardened or cured material can only be mechanically removed.

TECHNICAL SPECIFICATIONS

No. of components	One
Curing method	Moisture curing
Specific gravity (28°C)	1.4-1.5 kg/l
Viscosity(28±2oC)	200,000-600,000 cps
Tack free time (28°C)	60 ± 15 minutes
Tensile strength (at maximum displacement)	7.5 – 8.0 kgf/cm ²
Tensile strength (at 50% displacement)	2.5 – 3.0 kgf/cm ²
Elongation	500 - 550%
Application temperature	5 to 35 °C
Service temperature	-30°C to 90°C

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