



High-Q Multipurpose Seal

Description

Extremely flexible, premium versatile sealant based on AST with powerful adhesion on most of the building materials. Its unique environmentally friendly formulation, which can stretch over 500%, makes the product an unrivaled solution for both interior and exterior applications.

Properties & Features

- Stretches over 500% - Crackproof
- Environmentally friendly
Solvent, isocyanate, silicone, and phthalate free formulation
- Suitable for both indoor and outdoor use
- 100% waterproof & weatherproof seal
- Very easy to apply, tooling and clean up
- High durability & UV resistance
- Excellent adhesion to most building substrates
- Over-paintable with most of the paint types
(Preliminary test always recommended)
- Almost odourless
- Mould resistant
- Noncorrosive toward coated metals

Fields of Application

It can be used in a wide variety of exterior and interior connection and static joint applications such as sealing applications around doors, windows, siding, trim, crown molding, baseboards, vents, ducts, and sanitary areas.

Suitable for the surfaces specified below;

Aluminium	Concrete	Plaster	Trim Board
Brass	Mortar	Wood	Plexiglass
Steel	Brick	Composite Wood	Acrylic Sheet
Anodized Aluminium	Masonry	EIFS	Fiberglass
Composite Metal Panel	Cement Board	Glass	Vinyl Siding
PVC Molding	Drywall	Ceramic tile	Polystyrene
Stone	Stucco	Porcelain	

Product Information

Packaging	280 ml, 300 ml PE cartridge
Shelf Life	15 months
Storage Conditions	Store in cool and dry conditions between +5°C and +25°C
Colour	Transparent, Translucent, White, Black, Grey, Aluminium, Beige, Anthracite, Bronze, Ivory



Technical Data

Uncured Sealant	Method / Conditions	Value
Curing Mechanism	Physical drying	
Consistency / Sagging	ISO 7390	Non-sag thixotropic paste / 0 mm
Density	ISO 1183-1	1,07 ± 0,03 g/ml
		1,10 ± 0,03 g/ml (Gilded colours)
Skin Formation Time	Internal (23 °C and 50% R.H)	30 ±5 min. (Translucent & Coloured)
		10 ±5 min. (Clear)
Drying Rate	Internal (23 °C and 50% R.H)	Min. 2 mm/day
Cured Sealant		
Shore A hardness	ISO 868	35 ±5
Elastic Recovery	ISO 7389	Approx. 70%
Total VOC content	SCAQMD rule 1168	<45 g/L
Loss of Volume	ISO 10563	40 ±2%
Movement capability	ISO 9046	± 12,5%
UV resistance	ASTM C-732 (500 hours)	Pass
Modulus at 100% elongation	ISO 37 (4 mm thickness) (45 days 23 °C and 50% R.H)	> 0,4 N/mm ²
Tensile strength		1,25 ±0,25 N/mm ²
Elongation at break		> 500%
Service temperature		Between -20°C and +70°C
Application temperature	(Ambient and surface)	Between +5°C and +35°C

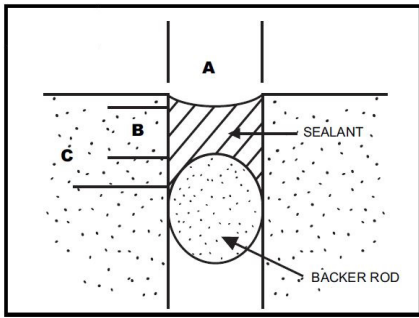
Directions for Use

Surface preparation and sealant application;

- A. **Cleaning and joint preparation:** Substrates must be sound quality, clean, dry and free of dust, grease, rust and other contaminants which may affect the adhesion. Non-porous surfaces (such as aluminium, glass, etc.) must be free of any coatings and should be cleaned with a suitable solvent and thoroughly dried with a clean cloth. Porous substrates (such as concrete, brickwork, etc.) must be mechanically cleaned from loose particles or residues with a jet of compressed air, sandpaper or hard brush. Mask off joint edges with self-adhesive tape as protection from contamination.
- B. **Backing material:** Use a polyethylene bond breaker tape or backer rod to adjust the joint depth to proper width/depth ratio and to avoid three side adhesion which restrict the movement capability of the sealant. Backer rod must be at least wider 25% than the joint width.

- C. **Sealant application:** Recommended application and surface temperatures: +5°C and +35°C. Cut nozzle to obtain desired bead size. Apply the sealant as evenly as possible by using professional caulking gun.
- D. **Tooling and finishing:** Tool the joint surface with a smoothing tool ensuring the sealant a full contact to the sides and backup material into the joint before skin formation. Remove the masking tapes immediately after smoothing over the surface of the sealant.
- E. **Cleaning:** Uncured product may be easily removed with damp sponge. Cured product must be removed mechanically. Hands can be cleaned with warm water and soap.

Joint Design



- A: Joint width
B: Joint depth
C: Adhesion surface length

The following general rules/recommendations should be followed:

The ideal joint has a 1:1 width(A):depth(B) ratio

Minimum width for joints 5 mm

Maximum width for joints 12 mm

Minimum depth for joints 5 mm

Instructions

Clear sealant goes on white and turns clear in approximately 10 to 14 days. Protect from moisture for at least 24 hours for proper drying. Cannot be used for joints that are permanently exposed to water. In case of short-term exposure to water (24h) a slight 'clouding' will occur. In case of long-term exposure to water (14 days) the product will turn white again and will lose its mechanical properties. The product is compatible with most paint systems. Due to the large number of paints and varnishes available, we strongly suggest a compatibility test before application. Covering cured sealant with a suitable paint, varnish, plaster, etc. will extend its longevity. Avoid contact with materials which contain bitumen and which release solvents, e. g. butyl, EPDM, neoprene, insulating- and bituminous paint.

Safety

Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Store in a well-ventilated place. Keep cool. Check MSDS guidelines for disposal and further information concerning safety.

Disclaimer

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.