

Maximum reliability. Minimum fuss.



Technical Data Sheet



Seelex Hybrid Construction

Sealing Products

Hybrid polymer adhesive and sealant.

Application

- + Hybrid Construction is a one part adhesive and sealant based on the latest polymer technology, and has excellent UV resistance and primerless adhesion to most substrates.
- + Can be used as a sealant and an adhesive in a wide variety of applications in the construction industry.
- + This product is suitable for food safe applications and can also be used where water is present.

Key Features

- + UV stable
- + Permanently flexible
- + Excellent primerless adhesion to most substrates
- + Environmentally friendly - solvent and Isocyanate free
- + Self sealing in the wet
- + Paintable with most paints, food safe certified
- + C.E. marked.

Substrate compatibility

Steel	Aluminium	GRP / PVC	Fibre cement	Glass (uncoated)	Timber (painted or stained)	Concrete / Brickwork	Bitumen	Lead
✓*	✓*	●	●	-	●	○	●	●

✓* = Recommended for airseal decks, not outer sheet ● = Compatible ○ = Possible

Limitations

Seelex Hybrid Construction sealant should not be used in the following applications:-

- Constant water immersion situations such as aquariums
- Any submerged joints need special attention to surface preparation and application and should be checked for integrity at regular intervals.

Specifications

Code	Cartridge size (ml)	Cartridges per carton	Colour
SEELEX HYBRID	290	12	Chrystal Clear
SEELEX HYBRID	290	12	White



Application Instructions

General

Surfaces to which Sealant is to adhere must be clean and free from loose material, standing water or contaminants, which otherwise may impair the bond. Non-porous surfaces such as aluminium should be cleaned with a suitable product. It may be necessary to prime some porous surfaces depending on cohesiveness and porosity of the substrate. For application where some movement will be exhibited i.e. construction joints, the minimum joint dimensions should be 6mm x 6mm with the maximum dimensions being 20mm wide by 12mm deep. Where deeper joints are found, depth can be reduced using a suitable backer rod. Areas of perimeter pointing where a fillet is to be applied, the minimum measurement across must be 10mm with a minimum depth of 6mm. If conditions are suitable for application, ensure joints are properly prepared and apply sealant firmly into the joint using an application gun. Ensure a good solid fill is achieved. Once applied, sealant can be tooled within 10 minutes to required finish. The cured sealant can be painted if required but is not necessary. Painting sealant in a movement joint is not recommended as the movement of the sealant may be greater than the flexibility of the paint, leading to cracking or crazing of the paint film.

Storage

Store in cool dry conditions between 5°C and 25°C.

Health & Safety

Consult Health and Safety Data Sheet.

Avoid contact of uncured sealant with the skin. If uncured sealant comes into contact with eyes, flush out immediately with clean water for at least 5 minutes. Consult medical advice if irritation persists

Use in a well-ventilated area.

As with all chemical products, care should be taken during use and storage.

Do not eat or drink while using the product.

Keep away from children and animals

Further Information

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

Estimating quantities

The figures given in these charts are the number of linear metres obtained from a cartridge for rectangular joints. These figures are only approximate and do not allow for wastage.

290ml cartridge						
Joint size		Width (mm)				
		3	6	9	12	15
Depth (mm)	6	20	10	6.6	5	4

Technical Characteristics

Chemical resistance	Good
Curing system	Moisture cure
UV resistance	Good
Adhesion	Excellent
Service temperature range	-40°C to +100°C
Hardness	Shore A = 45-55 (DIN 53505)
Slump	Non-sag
Application temperature range	+5°C to +35°C
Curing rate	approx 3mm per 24 hours
Skinning time	approx 40 minutes
Skin formation	approx 40min @ 23°C / 50% RH
Working time	20-40 minutes
Tensile strength at 100% extension	0.6 Mpa
Movement accommodation	+/-20%

Certification



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BS FN 15651-1-1F-EXT-INT

Resistance to flow ≤ 3mm

Loss of volume ≥ 10%



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ISO 9001, ISO 14001
OHSAS 18001