



Den Braven Sealants

Technical Data Sheet

HYBRIFIX 550

Product One component moisture curing, high-modulus adhesive

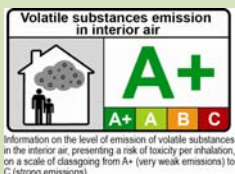
Properties

- ☒ Free from isocyanates and silicones
- ☒ Excellent adhesion to most substrates
- ☒ Highly resistance to ageing and weathering
- ☒ Good high-tack properties

Standard colours available White (others on request)

Packaging 300 ml cartridge / 600 ml sausage / 200 litres drum (others on request)

Where to use - Permanent elastic sealing or gluing on interior and exterior for any type of building material as : wood, MDF, brick, gypsum, concrete, natural stones, tiles, ceramic, steel, aluminium, zinc, cooper, brass, stainless and chrome steel, glass, mirrors, plastics, ABS, roofing and isolating material.

Technical data	
Type	Silane-terminated polyurethane compound
Consistency	Non-Sag paste
Extrusion level	≈ 50 g/min at fabrication time (at 21°C / nozzle Ø 4 mm / pressure 3 bars)
Density	≈ 1,50 g/ml
Resistance to vertical flow	< 3 mm (ISO 7390)
Shrinkage	< 10 % (ISO 10563)
Shore-A hardness	≈ 60° (ISO 868)
E-modulus at 100 %	≈ 1,50 MPa (ISO 37)
Elongation at break	> 200 % (ISO 37)
Shearing strength	≈ 1,20 MPa (ISO 4587)
Initial tack	≈ 17 g/cm ²
Skin forming time	≈ 15 min. (23°C & 50 % R.H.)
Curing speed	≈ 2,5 mm /day (23°C & 50 % R.H.)
Temperature resistance	-30 / +70°C
Application temperature range	+5 / +40°C
Shelf life	Cartridge 12 months Sausage 9 month Drums 3 months Original closed packing, at +5 < +25°C and max 50% of R.H.
Conform to the norms	
 <p>Information on the level of emission of volatile substances in the interior air, presenting a risk of toxicity per inhalation, on a scale of classifying from A+ (very weak emissions) to C (strong emissions)</p>	

Safety « Safety data sheet according to 1907/2006/CE » on request

The information, and, in particular, the recommendations relating to the application and end-use of this product, are given in good faith based on our current knowledge and experience of the product when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, no any liability arising out of any legal relationship whatever, can be inferred either from this information, or from any recommendations, or from any other advice offered. Edition : 06/09/12

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How to use

Surface preparation

Dimensions of the joint must be in conformity with the professional rules into force. Joint walls must be sound, clean, dry and free from oil and grease. Curing compound residues and any other foreign matter must be thoroughly removed. Install bond breaker to prevent bond at base of joint. Most substrates only require priming if testing indicates a need. Consult our technical service for additional information.

Application

Apply with hand or pneumatic guns (maximum required pressure : 3,5 kg). When applying avoid air entrapment. Smooth with joint nail or putty knife. Tooling and finishing must be carried out within the skin formation time of the sealant.

Apply as an adhesive in a 'ventilating' way in vertical stripes with 30cm distance in between. The use of two sided adhesive tape, 3mm thick is recommended to support the adhesion during the first 24 hours and to make sure that the thickness of the adhesive is right.

Consumption: to see calculator on our Web site www.denbraven.fr

Cleaning

Material : immediately with white spirit. Hardened sealant can only be removed mechanically.

Hands : soap and water

Paintability

Can be covered by means of water based paints.

It must be understood that sealants are elastomeric in nature, enabling them to extend and compress within a construction joint. Most paints are designed to be applied to hard, non-moving surfaces and do not match the elastomeric properties of sealants. Because sealants are soft and will extend and compress, if the paint film does not move in an identical manner to the sealant, the paint may crack and peel. It is always recommended to make test of compatibility with the paint before application.

Limitations

- Avoid exposure to high levels of chlorine.
- Avoid contact with alcohol, curing silicone sealants and solvent cleaners during cure.
- Yellowing may occur in the product in particular circumstance.
- Not suitable for dilatation joints, and can't be used as a glazing sealant and in applications where continuous water immersion is possible. Among others not recommended for glazing and not for aquaria, PE, PP, Teflon and bituminous surfaces.

Legal Notes

The information, and, in particular, the recommendations relating to the application and end-use of our products, are given in good faith based on our current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with our recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Den Braven France reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

Safety

« Safety data sheet according to 1907/2006/CE » on request

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Limited warranty

Den Braven France warrants that its products will conform to Den Braven France specifications at the time of application or use. The products must be stored in accordance with Den Braven France recommendations, and used or applied before the earliest of expiration date of such other period or recommended storage time stated in the Den Braven France products literature. If notified, in writing, of a claim within three months of the product's delivery or application, Den Braven France will, at its option, replace or refund the purchase price of any Den Braven France products which does not satisfy the foregoing warranty.

The foregoing shall constitute the sole and exclusive remedy for defects or failure of the products, and the sole and exclusive liability of Den Braven France, the warranties stated above are in lieu of all other warranties written or oral, statutory, express or implied, including any warranty of merchantability or fitness for purpose.

Limitation of liability

Den Braven France shall, in no event, whether the claim is based on warranty, contract, tort, strict liability, negligence or otherwise, be liable for incidental or consequential damages, or for any damages in excess of the amount of the purchase price.

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