



Den Braven Sealants

Data sheet

ZWALUW HYBRIFLEX-LM

Product	One component moisture curing, low-modulus sealant
Properties	<input checked="" type="checkbox"/> Free from isocyanates and silicones. Low VOC. Envirometally friendly <input checked="" type="checkbox"/> Excellent adhesion to most building substrates <input checked="" type="checkbox"/> Highly resistance to ageing and weathering <input checked="" type="checkbox"/> Permanent elasticity under all climate conditions
Standard colours available	White - Grey - Black – Beige - Brown
Packaging	290 ml cartridges / 600 ml foil bags / 200 litres drums
Where to use	Expansion & Sealing of interior and exterior joints for most type of building material as : wood, MDF, brick, gypsum, concrete, natural stones, tiles, ceramic, steel, aluminium, zinc, cooper, brass, stainless and chrome steel, glass, plastics, ABS, isolating material.
Technical data	
Type	Hybrid-polyurethane based compound
Consistency	Non-Sag paste
Density	≈ 1.35 g / ml
E-modulus at 100 %	≈ 0,30 MPa
Elongation at break	> 650 %
Tensile at 100% elongation	≈ 0,50 MPa
Elastic recovery	> 80%
Shore-A hardness	≈ 22°
Temperature resistance	-30°C > +80° C. (to 120°C for short exposure)
Application temperature range	+5°C > +35° C.
Shrinkage	> 10 %
Slump	None
Skinning Time	≈ 60 min. (23° C. & 50 % R.H.)
Curing speed	≈ 2 mm/day (23° C. & 50 % R.H.)
How to use	
Surface preparation	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. Priming is not usually necessary. Most substrates only require priming if testing indicates a need or where sealant will be subjected to continue water immersion after cure. Consult our technical service for additional information. Quality control programme on request.
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.
Paintability	The HYBRIFLEX-LM can be covered by means of water based paints after 24 hours. It is always recommended to make test of compatibility with the paint before application.
Cleaning	Material : immediately with white spirit. Hardened sealant can only be removed mechanically. Hands : soap and water.

Safety « Safety data sheet according to 91/155/CEE » 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 whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. Edition : 09/12/05



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Shelf life

- 12 months in original closed cartridge or sausage, at temperatures $+5 < +25^{\circ}\text{C}$
- 6 month in original closed 200 litres drums

Limitations

- Avoid exposure to high levels of chlorine.
- Avoid contact with alcohol and other solvent cleaners during cure.
- Do not use in joints deeper than 20 mm.

Test standard

- Meets the ISO 11600 F-25LM standards.
- Meets the SNJF 1st category standards.
- Meets the DIN 18540F standards.

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 use 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.

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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.

Note

On many products, Den Braven France could accept to extend its warranty for some specific application. For further information, contact us.

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