



# Den Braven Sealants

## Data sheet

## ZWALUW CRYSTALFLEX

**Product** One component moisture curing sealant and adhesive

**Properties**

- Cristal clear
- Good adhesion to the most substrates in the building and the industry
- Free of isocyanates and silicones
- Neutral and almost odourless
- Mould resistant
- Non staining
- Excellent resistance to ageing and weathering

**Standard colours available** Crystal Clear  
**Packaging** 290 ml cartridges

**Where to use** - Non visible sealant or supple adhesive between materials with dissimilar thermal coefficients

### Technical data

Type	Hybrid based compound
Consistency	Non-Sag paste
Density	≈ 1,03 g/ml
Extrusion rate	≈ 75 g/min (nozzle Ø 4 mm / pressure 3 bars)
Flowing	< 2 mm (ISO 7390)
Shrinkage	none (ISO 10563)
E-modulus at 100 %	≈ 0,45 MPa (ISO 37)
Shore-A hardness	≈ 22° (3 sec. - ISO 868)
Slump	None (ISO 7390)
Elongation at break	> 400% (ISO 37)
Resistance at break	1.80 Mpa (ISO 8339)
Elastic recovery	> 80 % (ISO 7389)
Smoothing time	≈ 10 min. (23°C & 50 % R.H.)
Curing speed	≈ 3 mm/day (23°C & 50 % R.H.)
Temperature resistance	-40 > + 100°C
Application temperature range	+5 > +40°C

### How to use

**Surface preparation** Joint walls must be sound, clean, and free from oil and grease. Curing compound residues and any other foreign matter must be thoroughly removed. For sealing work, 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 water immersion after cure

**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 and ZWALUW LAST 1 finisher.

**Cleaning** Material : immediately with white spirit. Hardened sealant can only be removed mechanically or with ZWALUW SEALANTS REMOVER. 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 : 25/07/08

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### Shelf life

- 9 months in original closed packing, at temperatures +5 < +25°C

### Limitations

- Avoid exposure to high levels of chlorine.
- Avoid contact with alcohol and other solvent cleaners during cure.
- Do not cure in the presence of curing silicone sealants.
- Yellowing may occur in the product in particular circumstance.
- Do not use in joints deeper than 15 mm. Not suitable for Aquariums or Terrariums

### Test standard

- Meet the ISO 11600 F25 norms

### 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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### 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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