



Technical Data Sheet



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Indoor Window & Door Frame One-part acrylic sealant

CHARACTERISTICS

Unibond Indoor Window and Door Frame Sealant is a one-part, premium flexible water-based acrylic sealant for interior use that is ideal for sealing most common interior surfaces.

- Over paintable (see notes on application).
- Easy to apply and smooth and clean up.
- Good adhesion to many substrates without primer such as brick, concrete, plaster, wood, painted walls, etc.
- Odourless.
- High durability.
- Solvent-free.
- Paintable from 1 hour.

APPLICATION FIELD

Sealing of interior connection joints where some movement is likely.

- Window and door frames/ architraves
- Windowsills
- Skirting boards
- Coving

STANDARDS

- Conforms to BS EN 15651-1 Product type F-INT: Façade sealant for interior application.
- EN 15301-1 Reaction to fire: Class E



**TECHNICAL DATA:**

<u>Uncured product</u>		
Base:	Acrylate dispersion, water based	
Odour:	Characteristic	
Application temperature:	+5°C - +40°C (substrate and ambient)	
Consistency:	Non-slump paste	
Density:	~1,56 g/cm ³	(ISO 2811-1)
Resistance to flow:	~ 0 mm	(ISO 7390)
Skin formation time:	~ 25 minutes	(23°C, 50% r.h.)
Curing speed:	~ 10 days/5 mm	(23°C, 50% r.h., bead 20x10mm)
<u>Cured product</u>		
Odour:	Odourless	
Shore A hardness:	~ 40	(ISO 868)
100% Modulus:	~ 0,2 N/mm ²	(ISO 8339-A)
Elongation at break:	~ 200%	(ISO 8339-A)
Shrinkage:	~ -30%	(ISO 10563)
Movement capability:	12,5 %	
Recommended joint width:	max. 30 mm	
Service temperature:	-20°C - +80°C	

INSTRUCTIONS FOR USE

Indoor Window & Door Frame Sealant is supplied ready to use and can be applied from the cartridge using a standard hand operated gun, with no special pre-treatment.

The joint width must be designed to suit the movement capability of the sealant. In general, the joint width should be < 10 mm.

Surface preparation

All surfaces must be clean and dry, free from any dust and grease or anything which is likely to impair adhesion of the sealant.

Residues of old sealant or other materials must be removed completely.

Sealant application

Apply the sealant ensuring the joint is filled.

Smooth off immediately after application to ensure good contact between the sealant and the bonding surfaces, using Unibond Sealant Smoothing Tool.

Cleaning tools

Fresh, uncured product can be removed with a damp cloth. Clean tools and application equipment with water immediately after use. Cured sealant can only be removed mechanically (e.g., with knife).

Drying time

The sealant will be touch dry in 1 hour and fully cured in approx. 24 hours*

**Curing speed is dependent on temperature, air humidity and on the dimensions of the joint. Low temperatures, high air humidity or big joint dimensions require longer curing times.*

Please note

The joint must be cleaned and maintained regularly.

Ensure good ventilation in the room where the sealant is applied.



Limitations

Not suitable for exterior use or areas subject to damp.

Not suitable for perimeter sealing of uPVC windows or in sanitary installations.

Not suitable for use as a bedding compound.

No adhesion to PE, PP, PTFE(Teflon®). Not recommended for natural stone (e.g., marble), tiling, ceramics. When applying over painted surfaces the adhesion properties should be tested before use. In cases of unknown materials or critical applications, adhesions tests are recommended.

Small cracks over paintable from 1 hour. Note: This product cures by water evaporation. Curing may be affected by variances in temperature, humidity, porosity of substrates, volume of applied product etc.

Can be over painted with normal commercial paints. Pre-test to ensure paint compatibility and over paint ability.

Application during high temperature changes is not recommended as it may result in the sealant cracking.

Do not use as glazing sealant, in floor joints, movement joints, on bituminous substrates, natural rubber, chloroprene, EPDM or on building materials which might bleed oils, plasticizers or solvents which could attack the sealant. Do not use on easy corroding substrates such as bare steel, iron etc.

GENERAL INFORMATION

Storage

Store in a cool, dry place between +10°C and 25°C. Shelf life is 18 months from date of production an unopened cartridge (the expiry date is shown on the packaging).

Packaging

Cartridge – 467g

Colours

White

HEALTH AND SAFETY

Before using the product, please see related Material Safety Data Sheet that is available on request.

“The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. f.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.”



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