



BOSTIK

H505 SEAL 'N' BOND CRYSTAL

UNIVERSAL TRANSPARENT HYBRID SEALANT AND ADHESIVE

TECHNICAL DATA SHEET 15/09/2023 – Version 1

SMART ADVANTAGES

- Crystal clear
- Phthalate-free, tin-free and solvent free
- High UV resistance
- Multi-functional sealant and adhesive
- Suitable for internal and external use*

DESCRIPTION

Bostik H505 Seal'n'bond Crystal is high quality crystal clear, universal sealant and adhesive, hybrid based, which cures under the influence of humidity to form a durable elastic rubber.

FUNCTIONAL CHARACTERISTICS

Bostik H505 Seal'n'bond Crystal is specifically developed as crystal clear universal sealant and adhesive for interior and exterior use*. **Bostik H505 Seal'n'bond Crystal** can be used for all type of non-structural sealing applications where a minimum joint movement is expected. Furthermore, **Bostik H505 Seal'n'bond Crystal** can be used to seal and bond a wide variety of common building materials. * **Bostik H505 Seal'n'bond Crystal** has got a high resistance against UV, however Bostik still recommend when using this product outside to avoid direct UV exposure.

TECHNICAL CHARACTERISTICS

Properties	Standard	Value
100 % modulus	ISO 37	0.50 N/mm ²
Application rate	at Ø 4mm/3 bar	100-150 g/min
Application temperature	+5°C to +40°C	
Base	Hybrid	
Colour	Transparent	
Curing time	at +23°C/50% RH	3 mm/24 hours
Density	ISO 1183-1	1.03 g/ml
Elongation at break	DIN 53505/ ISO 868	> 400%
Flow	ISO 7390	< 3mm

Frost resistance during transportation	Up to -15°C	
Joint movement	20%	
Shore A hardness	DIN 53505 / ISO 868	20-25
Skin formation	DBTM 10.00	30 minutes at +23°C/50% RH
Temperature resistance	-30°C to +70°C	
Tensile strength	ISO37	2.40 N/mm ²

These values are typical properties and may vary +/-3%

INSTALLATION

PREPARATION

Application temperature + 5°C to + 40°C (applies to environment and substrates). All substrates must be solid, clean and free of grease and dust. Clean substrates with **Bostik No. 3 Solvent**. **Bostik H505 Seal'n'bond Crystal** adheres perfectly without the use of primer to most non-porous substrates. Porous substrates to be pre-treated with **Bostik N49 Primer**. Always test adhesion prior to application. For non-porous substrates use **Bostik N40 Primer** if required.

APPLICATION

Applied as a sealant in situations where a maximum joint movement is expected to be 20%. A joint with the correct dimensions can absorb movements between building materials. The joint depth should always be in the correct relationship of the joint width. A general rule is the ratio of joint depth to the width of the joint with a joint width till 10 mm is 1:1, with a minimum of 5 mm in width and depth. For joints wider than 10 mm, the depth is the width divided by 3 plus 6 mm. Bostik recommends always to use a correct backer rod to ensure a correct joint dimension and to avoid a three-point contact. For more information see the '*Bostik Factsheet FS008 Joint Dimensions*' on our website. Applied as an adhesive, apply **Bostik H505 Seal'n'bond Crystal** in a 'ventilating' way in vertical stripes or beads with 10-20 cm distance between stripes. Do not apply the adhesive in blobs. For further questions please contact our technical service.

PAINTABILITY

Bostik H505 Seal'n'bond Crystal is paintable with alkyd resin and dispersion base. We recommend testing compatibility with paint prior to application. If **Bostik H505 Seal'n'bond Crystal** is being painted over (not necessary), we recommend slightly sanding the sealant and the junction surfaces prior to use with Scotch-Brite. For the best results, we recommend painting a few days after application.

LIMITATIONS

- Not suitable for PE, PP, PTFE, soft plastics, neoprene and bituminous substrates
- Not suitable for glazing joints, natural stone and mirrors
- Not suitable for natural stone and chlorides (pools)
- Not suitable for continuous water load
- With prolonged exposure to UV radiation, products can discolour and become less UV stable.

Important Notes

It is recommended that this product is fully evaluated as suitable for the application methods to be employed and for suitability of performance both initially and for the expected life of your product under the condition it is expected to withstand.

CLEANING

Tools should be cleaned after use with water. Hands can be cleaned with **Bostik Handy Wipes** and/or water and soap. Cured material can only be mechanically removed.

STORAGE AND SHELF LIFE

An unopened original packaging between + 5°C and + 25°C, shelf life is up to 15 months from production date, stored in a dry place.

HEALTH AND SAFETY

Product Safety Data Sheet must be read and understood before use. These are available on request and via the websites.

Visit www.bostik.co.nz for copies.

For emergency information contact the National Poisons Information Centre, phone 0800 764 766 (0800 POISON) or CHEMCALL, phone 0800 243 622.

CERTIFICATIONS

- EN 15651-1: F-EXT-INT-CC 20LM
- EMICODE EC1 Plus
- A+ French VOC Regulation
- ASTM C1248 non-staining
- ISEGA

PACKAGING

Size	290 ml cartridges, 12 per box
Product codes	30625160

DISCLAIMER

Bostik offers this Technical Data Sheet ("TDS") for descriptive and informational use only. It is not a warranty, a contract or a substitute for expert or professional advice. Please also see the local product Safety Data Sheet for health and safety considerations.

The statements, technical information, data, and recommendations contained in this TDS are provided 'AS IS' and are not warranted or guaranteed in any way. They represent typical results for the products and are based on Bostik's research only. Since the conditions and methods of use of the products are beyond our control, Bostik expressly disclaims any and all liability and damages of whatever kind or nature that may arise from any use of the products, the results therefrom, or reliance on the information contain herein.

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