



# BOSTIK



# SINGH ROOFING SUPPLIES

# H505

## SEAL'N'BOND CRYSTAL HIGH QUALITY CRYSTAL CLEAR HYBRID SEALANT AND ADHESIVE

TECHNICAL DATA SHEET 01/07/2024

### BENEFITS

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

**PRODUCT DESCRIPTION** **Bostik H505 SEAL'N'BOND CRYSTAL** is a high quality professional phthalate, tin and solvent free crystal clear universal sealant and adhesive. **Bostik H505 SEAL'N'BOND CRYSTAL** is hybrid based and it cures under influence of humidity to form a durable elastic rubber. **APPLICATIONS** **Bostik H505 SEAL'N'BOND CRYSTAL** as specifically developed as a 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 of 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 will still recommend when using this product outside to avoid direct UV exposure.

### DIRECTIONS OF USE

Applied as a sealant in situations where a maximum joint movement is expected of 12,5%. A joint with the correct dimensions is able to 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 assure a correct joint dimension and to avoid a three-point contact.

Applied as an adhesive, apply **Bostik H505 SEAL'N'BOND CRYSTAL** in a 'ventilating' way in vertical stripes with 10-20 cm distance between stripes. Do not apply the adhesive in dots! For further questions please contact our technical service.



### TECHNICAL DATA

100 % modulus	DIN 53504 S2	0,50 N/mm <sup>2</sup>
Application rate	@ Ø 2,5mm/6,3 bar	100 g/min
Application temperature		+5°C to +40°C
Base		Hybrid 3 mm/24
Curing time	@ +23°C/50% RH	hours 1,03 g/ml
Density	ISO 1183-1	500%
Elongation at break	DIN 53505/ ISO 868	25
Shore A hardness	DIN 53505 / ISO 868	30 minutes @
Skin formation	DBTM 10.00	+23°C/50% RH -40°C to +120°C
Temperature resistance		
Tensile strength	DIN 53504 S2	2,50 N/mm <sup>2</sup>

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

### 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).

## SURFACE PREPARATIONS AND FINISHING

Application temperature + 5°C to + 40°C (applies to environment and substrates). All substrates must be solid, clean and free of grease and dust. **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** if needed. Always test adhesion prior to application. Use **Bostik FINISHING SPRAY** to smooth the joint.

## 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.

## CLEANING

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

## COLOUR(S)

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Transparent

## PACKAGING

- 290 ml cartridges, 12 per box

**SHELF LIFE** In 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 & SAFETY** Product Safety Data Sheet must be read and understood before use. These are available on request and via the websites.

## CERTIFICATIONS

- - EN 15651-1: F-EXT-INT-CC 20LM  
EMICODE EC1 Plus – very low emission  
A+ French VOC Regulation  
ASTM C1248 non-staining  
SNJF F12.5E  
ISEGA

## PRODUCT CODE

Transparent	30625160	290mL
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## HEALTH & SAFETY

**General Advice:** Product Safety Data Sheet must be read and understood before use. These are available on request and via the websites. **Inhalation:** Remove to fresh air. If symptoms persist, call a physician. **Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **Skin contact:** Wash skin with soap and water. **Ingestion:** Small amounts of toxic, methanol are released by hydrolysis. Call a physician immediately. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water.

**DO NOT REUSE CONTAINER UNLESS THOROUGHLY DECONTAMINATED**  
**SEE THE SAFETY DATA SHEET FOR ADDITIONAL INFORMATION.**

**For emergency information contact the Poisons Information Centre, phone 131 126 or the Emergency Response Service, phone 1800 033 111.**

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**BOSTIK HOTLINE**

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This datasheet is for the general help of users. It is provided in good faith. The data is current and accurate to the best of our knowledge. Differing materials, substrates, environments, site conditions, and product storage, handling and application may affect results. Users should carry out tests to decide the product's suitability for purpose. This data sheet and the properties of the product may change without notice. Users, suppliers, and retailers should check that the data sheets they have are the latest. To the maximum extent permitted by law, Bostik disclaims all warranties in relation to manufacture and use of the product. Bostik is not liable for representations made by users, suppliers, or retailers about the product. Bostik is not liable for any loss or damage resulting from incorrect, careless, or negligent use or storage of the product, including use of out-of-date product. Any liability arising from use of the product is limited to the replacement or purchase price of the product. Bostik does not exclude rights and remedies that cannot be excluded by legislation, for example under the Australian Consumer Law (ACL). Sale of the product by Bostik is subject to the Bostik Australia Proprietary Limited Conditions and Terms of Sale. For more information on Bostik, products, and conditions of use and sale visit [www.bostik.com.au](http://www.bostik.com.au)