



BOSTIK

H505

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

TECHNICAL DATA SHEET

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

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. Clean substrates with **Bostik T100 UNIVERSAL CLEANER**. **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 T300 UNIVERSAL PRIMER**. Always test adhesion prior to application. Use **Bostik T500 FINISHING SOAP** 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 T150 CLEANING WIPES** and/or water and soap. Cured material can only be mechanically removed.

COLOUR(S)

- 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.

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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

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