

Technical Data Sheet

TopSeal

High quality hybrid adhesive.

Product Description

TopSeal is a high quality and professional adhesive based on hybrid technology which cures under influence of humidity to form a durable elastic rubber.

Benefits

- Durable and permanently elastic.
- Universal bonding and sealing for interior and exterior use.
- Fast curing. Wet in wet applicable.
- Resistant to UV, moisture and mould.
- Adheres perfectly without primer on most, even damp, surfaces.
- Neutral curing, almost odourless.
- Sandable and grindable after fully cured.
- Non corrosive to metals.
- High mechanical resistance strength and E-modulus.
- Absorbs acoustical and mechanical vibrations.

Applications

TopSeal is specially developed as a universal adhesive and sealant for use on many materials, such as stone, concrete glass, plasterboard, PU, PVC, hard plastics, enamel, ceramic, metals and wood.

Directions of Use

For bonding panels:

Apply adhesive in vertical stripes with 10 – 20 cm between stripes. Do not apply in dots.

The use of 3mm double sided tape is recommended to support the adhesion during the first 24 hours to ensure the thickness of the adhesive is correct.

For Sealing applications:

Apply an even bead along the area to be finished and smooth using a smoothing tool or soft scraper. Clean up with soapy solution before skin formation.

Allow to cure for 24 hours before use.

For further questions please contact our technical service.

Additional information

100% Modulus	DIN 53504 S2	1.15N/mm ²
Application temperature		+5°C to +40°C
Base		Hybrid
Application Rate	Ø2.5mm/6.3 bar	100 – 300g ±2 – 3mm/24hours
Curing time		
Density	ISO 1183-1	1.56g/ml
Elongation at break	DIN 53504 S2	350%
Flow	ISO 7390	<2mm
Frost resistance during transportation		Down to -15°C
Shore A hardness	DIN 53505	52
Skin formation	23°C/55% RH	10 min
Joint Movement		25%
Tensile Strength	DIN 53504 S2	2.00 N/mm ²
Temperature resistance		-40°C to +90°C

Limitations

- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates.
- Not suitable for continuous submersion in water.
- Not suitable for natural stone and mirrors (may cause staining).
- Not suitable for dilatation joints and glazing joints.
- Not suitable in combination with chlorides (pools).
- Yellowing can occur in the dark and by contact with chemicals.

- With prolonged UV radiation products can discolour and become less UV stable.

Surface Preparations and Finishing

- Application temperature +5°C to +40°C (environment and substrate).
- Surfaces must be dry, clean and solid.

Paintability

TopSeal is paintable with water based and most 2 component paints. Synthetic paints can dry more slowly. It is recommended to test compatibility with paint prior to application. When TopSeal is painted over (not necessary) we recommend sanding the sealant and junction surfaces using Scotch-Brite. For an optimal result we recommend to paint a few days after application.

Cleaning

- Uncured material and tools can be cleaned by using a cleaner.
- Cured material can only be mechanically removed.
- Hands can be cleaned with Wipes.

Colour(s)

- Various

Packaging

- 290ml cartridge

Shelf Life

In unopened original packaging between +5°C and +25°C, shelf-life is 18 months after production date, stored in a dry place.

Health & Safety

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

Note: The data, information and values contained in this Technical Data Sheet have been obtained by conducting various tests in a controlled laboratory environment, and should be used for guidance purposes only. Although we believe them to be reliable and accurate, users should always conduct their own tests in their specific working conditions to ensure that the product is suitable and effective for use. It is the user's sole responsibility to determine the suitability of the product for the application. Unika Color Products Ltd. Cannot be held responsible for the results of procedures undertaken elsewhere, nor for the safeguarding of personnel or property, all of which is the duty of the user. Suitability of products or methods is discretionary. Therefore, warranties or implied usage obligations should not be attributed to and are not the responsibility of Unika Color Products Ltd. Unika Color Products Ltd. are not liable for any financial loss or other damages incurred by the user as a result of the use of this product.