TOPSEAL HG 260

One-Component, High-Solids, Liquid-Applied Polyurethane Waterproofing Membrane

Product Description

TOPSEAL HG260 is a one-component, high-solid, moisture-curing, liquid-applied polyurethane waterproofing membrane designed to form a seamless, elastic, and durable waterproofing layer for exposed and concealed applications.

After curing, TOPSEAL HG260 forms a fully bonded, jointless, hydrophobic membrane with excellent crack-bridging capability and long-term resistance to water ingress. The product is based on pure polyurethane technology and does not contain acrylic or bituminous fillers that may compromise long-term performance.

Uses

TOPSEAL HG260 is suitable for:

- Exposed roof waterproofing systems
- Balconies and terraces
- Wet areas beneath tiles, including bathrooms, kitchens, and toilets
- Protection of polyurethane foam insulation
- Concrete structures such as bridge decks, podiums, tunnels, and similar areas
- Refurbishment of existing waterproofing systems, subject to substrate compatibility and field testing

Advantages

- One-component and ready to use
- Cold-applied; no torching required
- Seamless waterproofing membrane with no joints or laps
- High elasticity and crack-bridging performance
- Good adhesion to properly prepared concrete substrates
- Resistant to standing water and weather
- Resistant to frost and wide service temperature variation
- Water vapor permeable
- Can be locally repaired in case of mechanical damage
- Suitable for complex detailing and penetrations
- Low VOC content
- Available in reflective light colors for roof applications

Product information

Appearance / Color

Liquid polyurethane membrane

Colors available

- White
- Light Grey

Packaging

- 25 kg pail

Shelf Life

- 12 months from date of manufacture when stored properly in original unopened packaging.

Storage Conditions

Store in original, unopened, sealed containers in dry conditions at ambient room temperature. Protect from direct sunlight, moisture, and excessive heat. Storage at elevated temperature may reduce shelf life.

Technical Data

Property	Value	Test Method
Chemicals base	Pure polyurethane	-
Elongation at break	800%	ASTM D412
Tensile Strength	5 N/mm^2	ASTM D412
Tensile Strength (reinforced system)	9 N/mm^2	ASTM D412
Tear Resistance	29 N/mm^2	ASTM D412
Water Vapor Permeability	30 g/m^2 day	ISO 9932.91
Resistance to Water Pressure	1m water column, 24 h, no leak	DIN EN 1928
Adhesion to Concrete	2 N/mm^2	ASTM D903

Hardness, Shore A	65	ASTM D2240
Hardness, Shore A (reinforced system)	68	ASTM D2240
Root Penetration Resistance	Resistance	UNE 53420
Solar Reflectance Index (White)	100	ASTM E1980-01
Solar Reflectance Index (Light Grey)	87	ASTM E1980-01
Tack-free Time	Approx. 6 hours	Internal
Final Cure Time	Approx. 7 days	Internal

Note: Test values are laboratory values under controlled conditions. Actual site performance may vary depending on substrate condition, ambient temperature, humidity, film thickness, and application method.

System Information

Recommended System Build-Up

Standard waterproofing system

- Primer: as required depending on substrate condition
- TOPSEAL HG260: minimum 2 coats

Reinforced waterproofing system

- Primer: as required
- 1st coat of TOPSEAL HG260
- Reinforcement fleece embedded into wet membrane at critical areas or full surface where specified
- 2nd coat / sealing coat of TOPSEAL HG260

For exposed roof applications or demanding substrates, a reinforced system is recommended, especially at joints, cracks, corners, movement areas, and detailing zones.

Consumption

Application	Consumption
TOPSEAL HG260	Approx.1.2 kg/m^2 in 2 coats

Actual consumption depends on substrate roughness,
porosity, detailing complexity, wastage, and system design

Application Information

Substrate Quality

Substrate must be:

- Sound and of adequate compressive strength
- Clean and dry
- Free from dust, laitance, loose particles, grease, oil, curing compounds, and other contaminants
- Free from standing water

Concrete should be sufficiently cured, typically **minimum 28 days** old, and prepared to provide a good mechanical key.

Substrate Preparation

All weak concrete, loose coatings, dust, and surface contamination shall be removed by suitable mechanical means.

- Blowholes, voids, and honeycombs must be repaired with suitable mortar
- Static cracks should be repaired before application
- Moving cracks and joints should be treated with suitable such as **Topflex PU sealant**
- Porous concrete should be primed before application

Priming

For porous concrete substrates, priming is recommended to improve adhesion and reduce pin holing. The source file refers to **Deckrete WEP** or **Deckrete EP** coat as primer options. Primer selection should be confirmed by substrate condition and site trial.

Mixing

TOPKRETE HG260 is ready for use. Stir thoroughly with a slow-speed mixer before application until a uniform consistency is achieved. Avoid excessive air entrapment.

Application Method

Apply by:

- Roller
- Brush
- Squeegee, where suitable, followed by back-rolling

Apply the first coat evenly over the prepared substrate. Allow the first coat to reach suitable tack-free condition before applying the second coat. Ensure full and conditions coverage, particularly at corners, penetrations, upturns, outlets, and other details.

Cleaning of Tolls

Clean tools and equipment immediately after use with suitable solvent or cleaner. Hardened material can only be removed mechanically.

Waiting Time /Curing

Condition	Typical Time
Tack-free time	Approx. 6 hours
Full cure	Approz. 7 days

Curing time will vary depending on temperature, relative humidity, air, movement, and film thickness.

Important Application Notes

- Do not apply on damp, wet, or water-saturated substrate unless system suitability has been confirmed
- Do not apply during rain or when rain is expected before skin formation
- Protect freshly applied membrane from rain, dust, oil, grease, and contamination during curing
- Avoid application where negative hydrostatic pressure exists unless designed accordingly
- Ensure detailing at corners, terminations, pipe, and penetrations is properly executed.
- For critical projects, a site mock-up is recommended before full-scale application.

Maintenance and Repair

Minor local damage can generally by be repaired by cleaning the affected area, preparing the surface properly, and overcoating with fresh **TOPSEAL HG260**. Compatibility and adhesion should be checked repair works on aged membranes.

Health & Safety

It is recommended to use PPE and avoid contact with skin and eyes and take precaution for handling the product.

Technical Support

Topkrete offers a technical support package to specifies, end-users and contractors, as well as on site technical assistance.

Additional Information

Topkrete manufacturers and offers a wide range of complementary products which includes waterstop, waterproofing, products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spelled concrete are available.

Warranty

Topkrete Sdn Bhd warrants that the products manufactured by it shall be free from material defects and will conform to formulation standards and contain all components in their proper proportion. Should any of the products be proven defective, the liability to TOPKRETE SDN BHD shall be limited to replacement of the material proven to be defective, and TOPKRETE SDN BHD shall in no case be liable otherwise or for incidental or consequential damages. **TOPKRETE SDN BHD MAKES NO WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED.** User shall determine the suitability of the product for its intended use and assume all risks and liability in connection therewith.

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