



Vetonit Cool Top

Single component liquid applied flexible hybrid roof waterproofing membrane

Uses

- Single component liquid applied flexible hybrid roof waterproofing membrane.
- Waterproofing of corrugated sheets and sloped roofs.
- Protecting spray polyurethane foam insulations from UV rays.
- Exposed roofs with many details and complex geometry.

Product Description

Vetonit Cool Top is a single-component cold liquid-applied elastomeric waterborne hybrid polyurethane-acrylic roof waterproofing membrane. The product is white in color with a high solar Reflectance index (SRI) that ensures better thermal roof insulation. Saveto Cool Top has a high resistance to yellowing, and color fading, as well as excellent dirt pick up resistance.

Advantages

- Reflects sun rays which enhance energy efficiency by reducing cooling costs.
- Highly elastic and crack-bridging.
- Easy to use single component.
- UV and color stable.
- Excellent weathering resistance.
- It can be applied over sloped roofs.
- Easy to maintain.
- Dirt-pickup resistance.
- Resists impact damage and foot traffic.
- Excellent to refurbish existing roofs without replacing them.
- The right solution for small and complicated roofs.

Technical Data

Vetonit Cool Top	Typical Values @ 20°C
Density	1.20 kg/Ltr approx.
Chloride content	Nil
Resistance to positive water pressure DIN1048	>1.5 Bar
Solid Content	60 - 66%
Static crack accommodation	4 mm
Dynamic crack accommodation	> 1 mm
Elongation @ break ASTM G154	> 200%
Weathering Resistance ASTM G154	2000 hours - no change
Full Cure	7 days
Bond Strength	> 0.35 MPa
Tensile Strength ASTM D412	> 2.50 MPa
Application temperature	Minimum + 5°C
Harmful to EEC 88/379	No
Volatile Organic Content (VOC) - ASTM D2369, ASTM D3960	< 15 gm / Liter
Solar Reflectance Index (SRI) ASTM E1980	> 100
Fire Test, ASTM E108	Pass

Usage Instructions

Surface Preparation

All surfaces should be dry and free from contamination, such as oil, grease, loose particles, decayed matter, moss, algal growth, laitance, and all traces of mold release oils and curing compounds. This is best achieved by lightly grit-blasting the surface. Where moss, algae, or similar growths have occurred, treatment with a proprietary biocide should be carried out after the grit-blasting process. Spalled and deeply disintegrated concrete should be removed to sound concrete and repaired with a Saveto repair system.

Concrete substrates should be at least 14 days old.

Application

Apply Vetonit Cool Top by brush, roll, or airless spray machine. Prime porous cementitious surfaces with Vetoprime AP443 at the rate of 5m²/liter and allow it to dry before applying the first coat. Use the first coat of Vetonit Cool Top and allow it to cure for 4 - 12 hours depending on the ambient temperature.

Apply the second coat perpendicular to the first coat.

It is recommended for heavy pedestrian traffic to use polyester fleece reinforcement, embedded firmly in the second coat while wet, and a third coat should be applied.

Cleaning

Remove Vetonit Cool Top product from tools, equipment, and mixers with clean water before the initial set. Cured material can only be removed mechanically.

Legal Disclaimer

Saveto endeavors to ensure that any advice, recommendations, information it may give is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products because it has no direct or continuous control over where or how its products are applied, whether or not following any advice, specification, recommendation, or information given by us. Saveto has the right to change any of the technical datasheets specifications upon its discretion without prior notification.

Hard copies of TDSs are printed once or twice a year. Our technical data sheets are continuously updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

Packaging & Coverage

Product	Pack Size	Theoretical Coverage
Vetonit Cool Top	20 kg Pails	1.8 liter/m ² @ 1 mm thickness

Stated consumption data is for general guidance. Actual consumption depends on the nature of substrate, method of application, and wastage.

Shelf Life & Storage

The original sealed container of Vetonit Cool Top has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 35°C.

Limitations

- Vetonit Cool Top should not be applied at ambient temperatures below 5°C and dropping.
- Vetonit Cool Top should not be applied on surfaces expected to suffer from rising dampness or relative humidity greater than 75%.
- For further information contact our technical department.

Health & Safety

Vetonit Cool Top contains hybrid polyurethane acrylic polymers, which can be harmful to the skin. During use, avoid contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection, and respiratory protective equipment. The use of barrier creams provides additional skin protection. In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting.

Vetonit Cool Top is non-flammable.

Additional Information

Saveto manufactures a wide range of construction chemicals and specialty products for various applications.

For further information on these products and systems kindly check our website or contact your local Saveto representative.