



SI TECH XTR ROOF

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PRODUCT DESCRIPTION

A premium quality matt exterior paint based on a high flexible acrylic emulsion to be used as waterproofing coating for different substrates. Available in White.

PRODUCT CHARACTERISTICS

- Elastomeric water proofing finish comply with ASTM D 6083.
 - High crack bridging & good elongation properties.
 - Good cooling effect and solar reflectance properties.
 - Excellent resistance to ultra-violet radiations, variable temperatures, and pollution
 - Anti-carbonation properties in terms of CO2 diffucion resistance, water uptake resistance, water vapor transmission rate and alkali resistance.
 - High resistance to Dirt Pick Up.
 - High coverage power.
- (Produced in compliance with Ministerial Decree No. 181/ 1996)

RECOMMENDED USE

Suits Exterior applications.

TYPE OF SURFACE

Concrete, Gypsum board, Cement Plaster, Steel, Wood substrates ...etc.

TECHNICAL SPECIFICATION

- Final Appearance → Matt
- Viscosity → 120 ± 10 Kreps (at 25°C temperature and 50% humidity) for white color, according to (ASTM D562-10 (2014))
- Density → 1.4 ± 0.05 gm/cm³ (at 25°C temperature and 50% humidity) for white color (As per ASTM D 1475-13)
- % Solids by Volume → 50 ± 2 (for white color)
- Flash Point → Non flammable
- Volatile Organic Compounds → 35 gm/liter as per EPA Method 24
- Tensile strength → > 1.4 mpa
- Tear strength → >10.5 N/m

METHOD OF APPLICATION

- Diluent/ Cleaner → Water
- % Dilution (by volume) → Up to 10%
- Application Tools → Roller, Brush, or Airless spray

INSTRUCTIONS FOR THE USE OF AIRLESS SPRAYER

- Pressure at nozzle → 140 – 190 Kg/cm² (2100 psi)
- Nozzle head → 0.021 – 0.027
- Spray angle → 65° - 80°
- Filter → Should be clean

CERTIFICATES

- SI-TECH XTR ROOF meets the Classification of W3 (Low) as per BS EN 1062-1 in terms of liquid water permeability (EN 1062-3): IBOS GMBH.
- SI-TECH XTR ROOF meets the Classification of V3 as per EN 1062-1:2004 Paints and varnishes in terms of water-vapor transmission properties (EN ISO 7783-2019): IBOS GMBH.
- SI-TECH XTR ROOF meets the Classification of A4 as per BS EN 1062-1 in terms of Crack Bridging (EN 1062-7): IBOS GMBH.
- Certificates are available upon request.

SPREADING RATE

0.8-1 Kg/m² at 500 micron DFT.

DRYING TIME

Generally, drying time depends on air draft, temperature, film thickness, selected colors, and number of coats. Data in schedule is measured at 25°C temperature and 50% humidity:

Temperature	25°C
Touch Dry (for white color)	2 hours
Re-coating (for white color)	5 Hours

RECOMMENDED COATING SYSTEM

All the new and old substrates should be cleaned properly to make them free from dirt, grease, oil, wax, etc.

FOR NEW SUBSTRATES

- Application of 1st. Coat with diluted 10% Si Tech XTR Roof.
- Application of 2nd. Coat of Si Tech XTR Roof as a final coat.

FOR STEEL OR WOOD SUBSTRATES

- 1 Coat of a suitable primer.
- Application of 2 Coats of Si Tech XTR Roof as previous steps.

FOR OLD SUBSTRATES

- Use sandpaper, then clean the surface with water and suitable detergent. Make sure the surface is fully dry, then apply: • 1 Coat of Si Tech XTR Roof.

CONDITIONS OF APPLICATION

- The temperature of the substrate should be min.10°C and min.3°C above the dew point of the air, temperature and relative humidity were measured in the vicinity of the substrate.
- The tape used for masking should be removed directly after application of the Topcoat.

GENERAL NOTES

1. Actual spreading rate depends on many factors like surface condition, effectiveness of application tool, film thickness, surface porosity, surface defects, temperature, quantity lost during application .. etc.
2. Maximum spreading rate for one coat may be realized by minimizing the dry film thickness, and vice versa.
3. Paint should be mixed before use if it is made of different batches.
4. Spreading rate for colors developed in coloring machines depends on selected colors.

STORAGE

Two years from production date, provided that proper storage conditions are observed. The product should be stored in compliance with storage instructions. The product should be stored in a cool well-ventilated environment, away from direct sun and heat. The container should be sealed tightly after use.

HEALTH AND SAFETY

Please read the protection instructions indicated on the container. Use in well-ventilated environment. Do not breathe or inhale mist. Avoid skin contact. Spillage on skin should be removed immediately with suitable cleanser and water. In case of contact with eyes, flush eye properly with abundant water and seek medical attention immediately. Keep away from the reach of children.

CLARIFICATION

The information in this Technical Specification is given to the best of our knowledge. It is based on laboratory tests and practical experience. Sipes takes no responsibility for consequences of breaching the instructions. The Company reserves the right to change data herein without notice.
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