



STEF PROROOF

(Waterproofing Roof Coating Solvant Base)

1-Product description:

Stef ProRoof is a solvent-based coating designed to provide effective waterproofing for roofs, offering superior protection against weather elements such as rain, UV rays, and temperature extremes. This material is often used in both commercial and residential roofing applications due to its flexibility and long-lasting performance.

2. Key Features:

- **Waterproof:** Provides excellent water resistance, preventing leaks and water infiltration.
- **UV Resistant:** High resistance to ultraviolet (UV) degradation, reducing the risk of cracks and fading over time.
- **Thermal Stability:** Can withstand a wide range of temperatures without significant degradation.
- **Flexibility:** Retains its flexibility even under extreme weather conditions, making it suitable for buildings with expansion and contraction.
- **Environmentally Friendly:** Non-toxic and free of harmful solvents or volatile organic compounds (VOCs).
- **Low Maintenance:** Easy to clean and maintain, reducing long-term maintenance costs.
- **Breathable:** Allows moisture to escape from the underlying roof structure, preventing trapped water or mold.

3. Technical Specifications:

Property	Specification
Appearance	White, smooth finish (can be tinted)
Density	1.25–1.35 g/cm ³
Viscosity	1000–3000 cps
Solids Content	45–55% by weight
Drying Time (Touch Dry)	1–2 hours at 25°C
Cure Time	24–48 hours (depending on weather)
Elongation at Break	150–300%
Tensile Strength	2.0–3.0 MPa
Flash Point	>93°C
Service Temperature Range	-20°C to 80°C
Application Temperature	5°C to 35°C
Moisture Resistance	Excellent
UV Resistance	Excellent (Good color retention)
Storage Temperature	5°C to 30°C
Shelf Life	12–24 months (unopened)

4. Application Instructions:

- **Surface Preparation:** Clean the roof surface thoroughly to remove dirt, debris, and any existing coatings. Ensure the surface is dry before application.
- **Application Method:**
 - Apply using a roller, brush, or airless sprayer.
 - For best results, apply two coats: the first coat should be thin (apply a coat of STEF ProRoof Primer) , followed by a thicker second coat of STEF ProRoof once the first coat is dry.
 - Do not apply in direct sunlight and/or when the substrate is over 35 degrees Celsius.
 - Ensure even coverage, particularly on seams and joints.
- **Drying Time:** Allow each coat to dry for 1–2 hours before applying the second coat. Full curing may take up to 24 hours depending on temperature and humidity.

5. Advantages:

- **Long-lasting Protection:** Stef ProRoof provide a durable barrier against water, UV radiation, and temperature fluctuations.
- **Cost-effective:** Offers a relatively low-cost solution for waterproofing compared to other roofing materials.
- **Ease of Application:** No specialized equipment is needed, and the material is easy to apply by contractors or even DIY enthusiasts.

6. Health and Safety Information:

- **Personal Protective Equipment (PPE):** Wear gloves, safety glasses, and protective clothing when applying the coating.
- **Ventilation:** Ensure adequate ventilation when applying the product to minimize exposure to fumes.
- **First Aid Measures:**
 - **Eye Contact:** Rinse eyes thoroughly with water for at least 15 minutes. Seek medical attention if irritation persists.
 - **Inhalation:** Move to fresh air if inhaled. Seek medical attention if symptoms persist.

7. Packaging and Storage:

- **Packaging Sizes:** Available in 5-liter, 17-liter
- **Storage Conditions:** Store in a cool, dry place, away from heat sources and direct sunlight

