FLOORZY MAKEOVER
YOUR SMARTEST FLOOR RESTORATION PARTNER

TECHNICAL DATA SHEET

HEAT LOCK

Heat Reflective Roof Coating

Technical Properties

Appearance: White Elastomeric Coating

Base : Water-Based Acrylic Elastomeric

Finish: Matt

Application Method: Brush, Roller, Airless Spray

Recommended WFT: 300 Microns

Crack Bridging Ability: Up to 1 mm

UV Resistance: Excellent

Water Resistance: Excellent

Service Areas: Metal Roofs & Tin sheets

SRI: 106

Description

DUSH Heat Lock is a high-performance, environmentally friendly, APEO-free elastomeric roof coating designed to reduce heat absorption and improve energy efficiency. It offers excellent solar reflective properties, particularly for metal roof applications, while forming a tough, seamless, and breathable membrane.

The coating provides outstanding UV resistance, low dirt pick-up characteristics, excellent water resistance, and long-term durability. It also helps resist the growth of bacteria and algae, maintaining a cleaner and more hygienic surface.

RECOMMENDED USES

1. Metal Roofs
2. Industrial Roofing Sheets
3. Factory Roofs
4. Warehouses
5. Commercial Buildings

FLOORZY MAKEOVER
YOUR SMARTEST FLOOR RESTORATION PARTNER

TECHNICAL DATA SHEET

APPLICATION AREAS

1. Metal Roofs
2. Industrial Roofing Sheets
3. Warehouses
4. Factory Buildings
5. Commercial Structures

FEATURES & BENEFITS

UV & IR Resistant
Protects the coating from ultraviolet degradation and reduces heat transfer into the building.

High Solar Reflectance
Reflects a significant portion of solar radiation, helping lower roof surface temperatures.

Resilient & Crack Bridging
Forms a highly elastic and durable membrane capable of bridging cracks up to 1 mm.

Abrasion Resistant
Provides a tough, non-slip surface with excellent wear resistance.

Long-Term Durability
Excellent resistance to UV exposure and weathering.

Energy Saving
Reduces heat ingress into the building, helping lower cooling costs.

Water-Based & Non-Toxic
Eco-friendly, low VOC, and safe for applicators and occupants.

Anti-Algae & Anti-Bacterial
Helps prevent the growth of algae, fungus, and bacteria on coated surfaces.

APPLICATION PROCEDURE

1. Surface Preparation
- Surface must be clean, dry, and structurally sound.
- Remove dust, dirt, oil, grease, laitance, loose particles, rust, and contaminants.
- Existing bitumen membranes or coatings must be completely removed by mechanical scarification or other suitable mechanical methods.
- Repair damaged areas before coating application.

2. Priming
- For metal roof applications, apply one coat of suitable metal primer by brush, roller, or spray and allow it to dry completely before applying Heat Lock.
- All joints, laps, corners, fasteners, penetrations, and detailing areas should be sealed with a liberal coat of Heat Lock before the main application.

3. Base Coat Application

- Apply the Heat Lock Base Coat uniformly using a brush, roller, or airless spray.
- Allow the Base Coat to dry for 6–8 hours before applying the Top Coat.

4. Top Coat Application

- Apply the Heat Lock Top Coat uniformly using a brush, roller, or airless spray.
- Application of the Top Coat is mandatory to achieve the recommended performance and durability.
- After Top Coat application, leave the coated surface undisturbed for at least 24 hours.

Recommended Consumption

Coat	Coverage
Base Coat	1.6 – 1.8 m²/kg
Top Coat	1.6 – 1.8 m²/kg
Total Material Consumption	Approx. 1.11–1.25 kg/m²
Recommended WFT	300 Microns
Recommended DFT	150-200 Microns

Coverage may vary depending on substrate profile, surface roughness, application method and site conditions.

Drying and Recoating Time

- Touch Dry: 2–3 hours
- Base Coat to Top Coat Recoat Time: 6–8 hours
- Light Foot Traffic: After 24 hours
- Final Cure: 7 days at 25–30°C and 55–65% relative humidity

Final Curing

Allow the completed coating system to cure for 7 days before exposing it to continuous water stagnation or heavy-service conditions.

Actual roof-surface temperature reduction can be demonstrated through a controlled comparison between coated and adjacent uncoated roof areas under the same site and weather conditions.

PRECAUTIONS & LIMITATIONS

1. Do not apply during rain or when rain is expected.
2. Do not apply on wet or damp surfaces.
3. Application temperature should be between 10°C and 40°C.
4. Ensure recommended dry film thickness (DFT) is achieved using the forced coverage method.
5. Protect the freshly applied coating from rain and water exposure for at least 24 hours.

STORAGE

Store in a cool, dry place away from direct sunlight. Keep containers tightly closed when not in use.

PACKAGING

Available in: 20 kg

SAFETY

1. Avoid contact with eyes and skin.
2. Use gloves and protective clothing during application.
3. Keep out of reach of children.
4. Refer to the Material Safety Data Sheet (MSDS) for complete safety information.