

Thermo Roofs Shield Covers

Application Guide & Technical
System Specification



→ The Shield Against Thermal Bridges

A high-performance waterproofing formulated with premium acrylic resins, hollow microspheres, and reflective micropigments.



→ **93.9%**

Solar Reflection

>40%

Heat Reduction

→ **0.05**

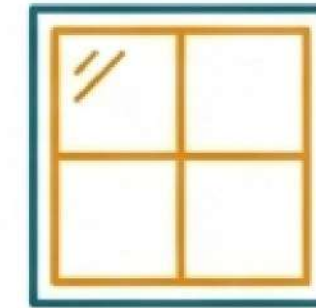
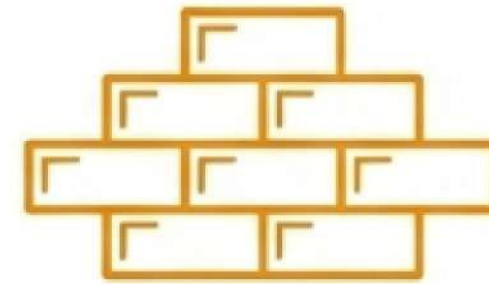
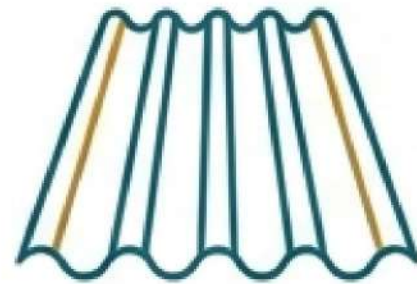
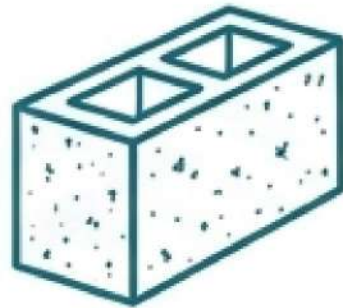
Thermal Conductivity
(W/m.K)

190%

Elasticity & Dilation

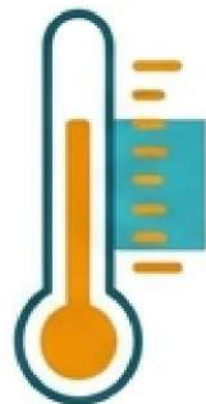
Phase I: Site Evaluation & Conditions

1. The Substrates (Where)



Compatible with Concrete, Cement, Asphalt Fabric, Galvanized Sheet, Tile, Brick, and Rigid Foam.
Surfaces must be pre-primed and have good adhesion.

2. The Environment (When)



← Temperature Window:
5°C – 45°C

Prohibited Conditions



No Frost



No High Wind



No Strong Sun



No Rain

Phase II: Surface Preparation Protocol

SANITIZE

Clean surface of dust and mold. Use water/bleach or Fungilev.



REPAIR

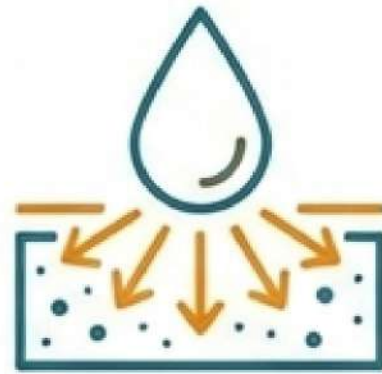
Treat defects and cracks with Thermal Mastic. Use mortar for major damage.

PREPARE

Sand polished surfaces to open pores. Check stability of old paint.

Phase III: Priming & Reinforcement

Condition A: Absorbency Control

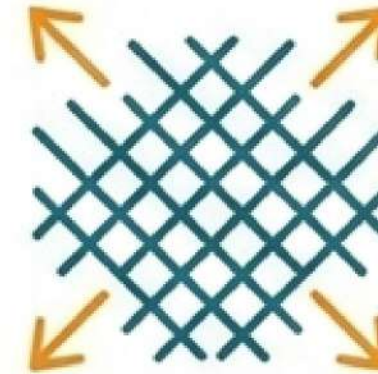


Scenario: Dusty surfaces or excessive absorption.

Apply Suber-Fix Primer

Dry for 4 - 6 Hours.

Condition B: Structural Reinforcement



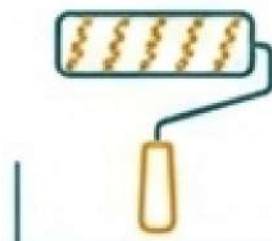
Scenario: Horizontal surfaces or complex supports.

Install Fiberglass Mesh

Use 60-80 g/m² mesh or 225-300 g/m² Mat interspersed within layers.

Phase IV: Application Protocol

Tools



Roller



Brush



Airless Spray

The Process



1. Mixture

Ready to use.
(Add water only if
necessary for viscosity).



2. Layering

Apply 2–3 coats.



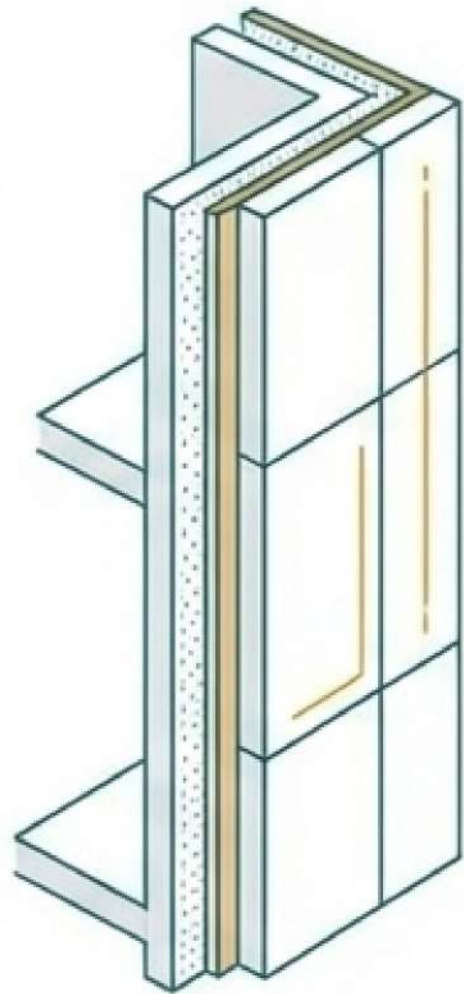
3. Drying

Wait 8–12 hours
between layers.

Pro-Tip for Flat Roofs

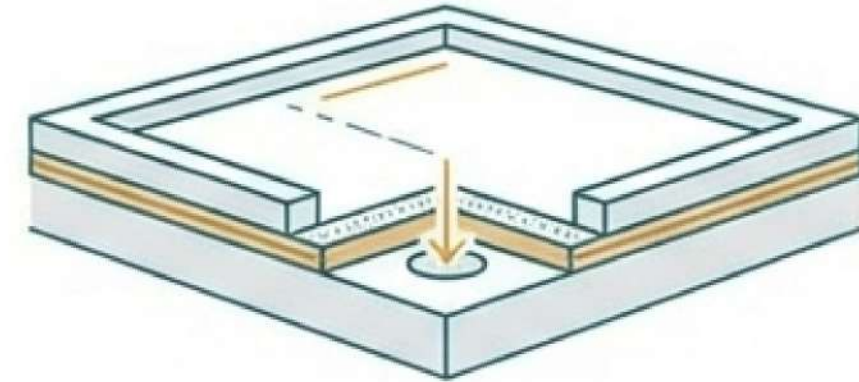
For walkability and warranty assurance, apply 150 ml/m² of Suberlev practicable varnish as a top finish.

Consumption & Yield Targets



**0.8 – 1.5
L/m²**

FACADES



0.8 – 2.0 L/m²
ROOFS



Thermal Reflection Focus:
Minimum **0.6 L/m²**



Full Waterproofing Focus:
Efficiency target **2.5 L/m²**

Technical Specifications



Density
1.1 kg/L
(± 5%)



Solids by Volume
71%



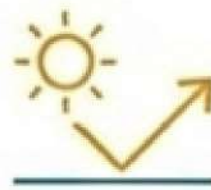
Elasticity
190%
Allowed Dilation



Warranty
7 Years
(Outdoor)



Solar Reflectance
Index (SRI)
>100
(ASTM E1980-11)



Solar Reflection
Factor
83.9%
(ASTM G173-03)



Microsphere
Size
≤ 28 μm



Thermal
Conductivity
0.05 W/m.K

Safety, Storage & Hygiene

Storage Protocols



Keep between **5°C - 45°C**.



Protect from frost and direct sunlight.



Shelf life: **2 years** sealed.
Use within **15 days** of opening.

Safety & Maintenance

- Prevent drying in the container to avoid lumps (stops gun clogging).
- Wash tools immediately with water.
- Do not eat/drink during application.
Keep away from children.

Help Us Help You

Innovation in Protection.



The information provided is based on extensive practical experience and laboratory tests.
Practical tests are recommended to ensure compatibility for each specific application.