

THERMO FACADES SHIELD

Technical Application Guide & Specification



- ✓ Nanosphere Thermal Insulation
- ✓ Waterproofing & Acoustic Damping
- ✓ High-Performance Reflective Pigments

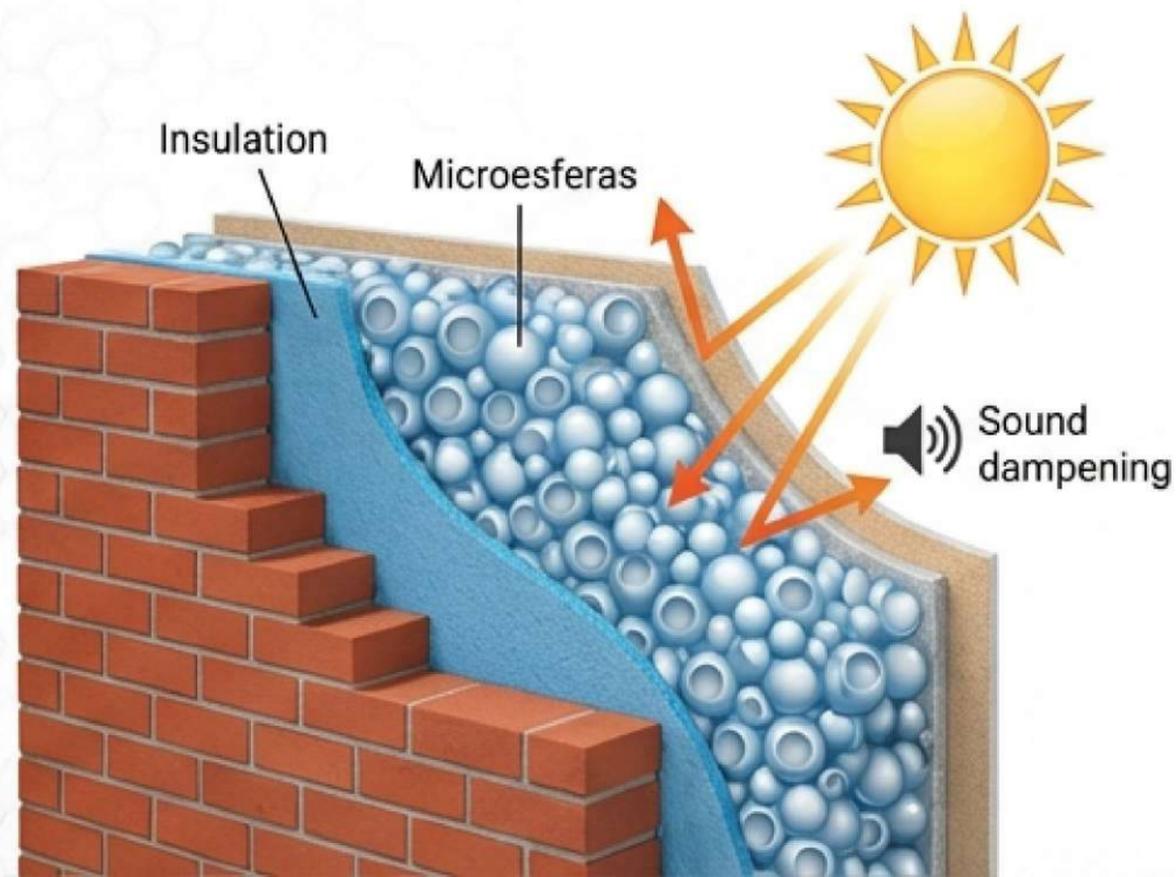


System Capabilities

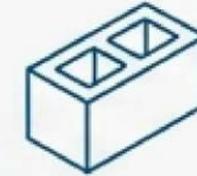
A high-performance shield featuring hollow nanospheres and reflective pigments. Prevents heat transfer and provides acoustic damping.

0.05 W/m.K

Thermal Conductivity



Compatible Substrates



Concrete



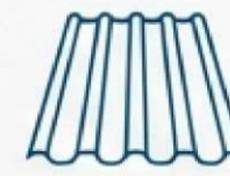
Cement



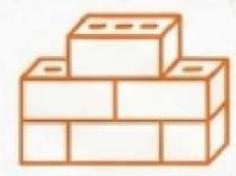
Plaster



Wood



Galvanized Steel



Ceramic Brick



Natural Stone



EPS / XPS



PVC



Glass



Stoneware

Condition Check: Existing paints must be in good condition with strong adhesion.

Surface Preparation Protocol



01. Clean

Substrate must be perfectly clean, dust-free, and completely dry.



02. Abrade

CRITICAL: Polished surfaces must be sanded to open pores for adhesion.



03. Sanitize

Clean mold or foam with water and bleach.



04. Fungicide

Apply Fungilev fungicide to ensure a sterile base.



05. Test

Perform anchorage and stability tests.

Remediation & Priming



Defect Remediation

Treat fissures and surface defects with Thermal Mastic (Exterior Grade). Pre-repair major structural damage with mortar.



Substrate Priming

Apply Suber-Fix primer to dusty, sandy, or highly absorbent surfaces.

Drying Time: Allow 4–6 hours before coating.



Mixing & Equipment



Dilution:

Add 8–15% clean water if necessary for workability.

Roboto Mono



Homogenize Thoroughly:
Essential for Nanosphere Distribution.

Application Tools



Brush



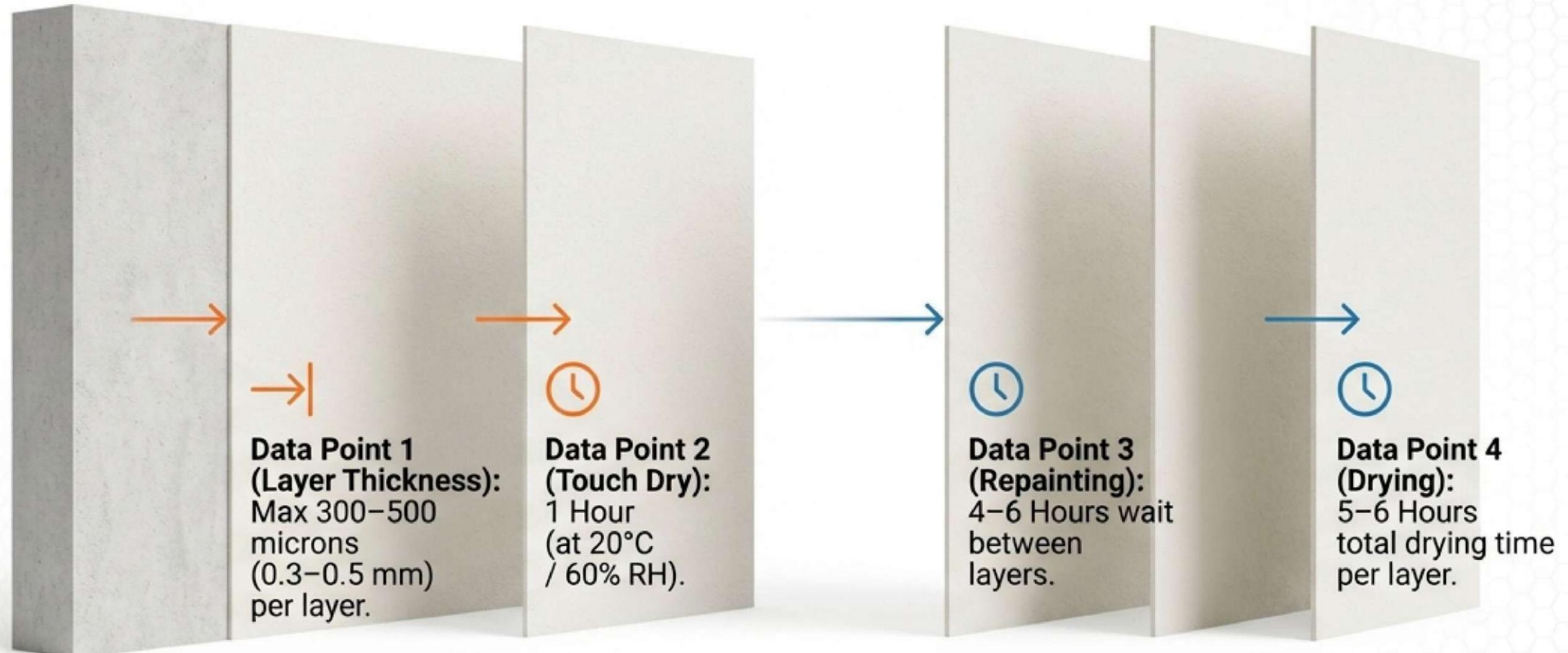
Roller



Spray Gun

Note: Ensure tools are clean to prevent clogging.

Application Protocol



Apply in thin layers to ensure proper curing and thermal performance.

Environmental Constraints

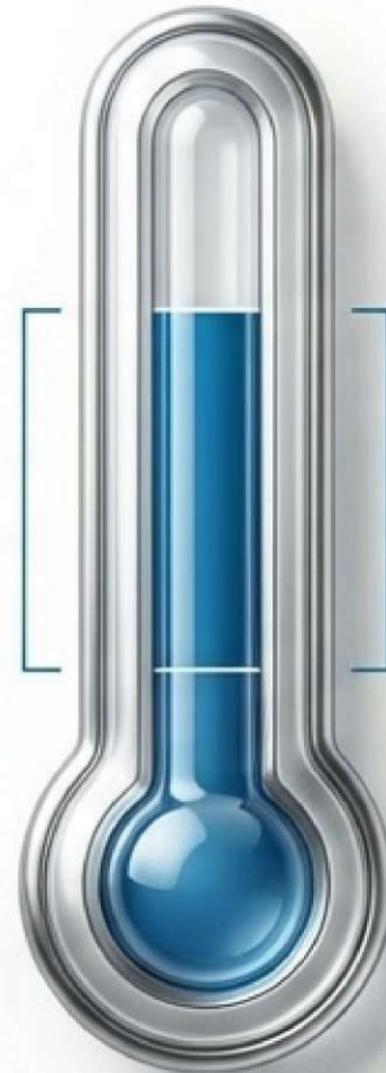


Frost



Strong wind

Technical Blue
Roboto Mono



**Application
Range:**
5°C to 45°C
Inter



Direct exposure
during application



Risk of rain

Do not apply if there is a risk of rain before drying is complete.

Technical Specifications

Thermal Conductivity	0.05 W/m.K (Reduces heat flow ~79%)
Fire Resistance	Class M1
Breathability	Class I (Permeable to water vapor)
Washability	Class 2
VOC Content	Category a/BA 75/30 (0.16)
Consumption	Min. 350 ml/m ² (Range 0.6 – 1.5 L/m ²)
Finish	Matte (White or Color Chart)

Post-Application & Storage



Cleaning

Clean tools with water **IMMEDIATELY** after use. Dried product is difficult to remove.



Storage

Store in a cool place. Protect from sunlight and frost.



Shelf Life

Up to 2 years in original sealed container. Prevent product from drying on container walls.

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.