

# INCISE THERMOSHIELD™ TPC

## PRODUCT DATA SHEET

**INCISE**  
A LIFE FULL OF DESIGN SECRETS

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# INCISE ThermoShield™ TPC

Heat-Reflective Thermoplastic Textured Wall & Ceiling Coating

Durable • Weatherproof • Crack-Bridging • UV Resistant

## 1. Product Description

INCISE ThermoShield™ TPC is a ready-to-use, water-based thermoplastic textured coating engineered to provide durable weather protection, UV resistance, surface reinforcement, and heat-reflective performance.

Formulated with advanced thermoplastic acrylic binders, reinforced mica and silica fillers, and UV-stable pigments, it forms a tough, flexible protective film that enhances building longevity and reduces surface heat absorption.

It is designed for both exterior and interior walls and ceilings exposed to harsh environmental conditions.

## 2. Typical Applications

- Exterior masonry walls
- Cement plaster and render
- Concrete facades
- Industrial buildings
- Commercial developments
- Residential properties
- Schools and hospitals
- Interior ceilings exposed to radiant heat

Suitable for new construction and refurbishment projects.

## 3. Key Features & Benefits

- Ready to use
- High-build textured protective coating
- Excellent UV resistance
- Weatherproof performance
- Reinforced with mica & silica for enhanced durability
- Extremely flexible film
- Bridges hairline cracks (up to 0.5 mm)
- Heat-reflective properties to reduce surface temperature
- Suitable for interior & exterior use
- Long-term façade protection

## 4. Technical Properties (Typical Values)

- Binder Type: Thermoplastic acrylic
- Finish: Textured matt
- Density: 1.35 – 1.50 kg/L
- Volume Solids: Approx. 55–60%
- Touch Dry: 1–2 hours at 25°C
- Recoat Time: 4–6 hours
- Full Cure: 7 days
- Crack Bridging: Up to 0.5 mm (hairline cracks)
- Application Temperature: 10°C – 35°C

- Theoretical Coverage: 1.0 – 1.5 m<sup>2</sup> per litre per coat
- Recommended System: 2 coats

Values are typical laboratory results under controlled conditions.

## 5. Surface Preparation

Substrate must be:

- Clean
- Dry
- Structurally sound
- Free from dust, grease, oil, and loose material

Repair major cracks prior to application.

Highly porous surfaces should be primed using an appropriate INCISE primer.

## 6. Application Guidelines

Tools Required

- Brush
- Sponge roller
- Lamb's wool roller

Application Procedure

- Stir thoroughly before use.
- Apply evenly without over-spreading.
- Apply two coats for optimal durability and performance.
- Allow 4–6 hours between coats (depending on conditions).
- Do not apply during rain or when rain is expected within 24 hours.

## 7. Coverage

Approximately:

1.0 – 1.5 m<sup>2</sup> per litre per coat

Actual coverage will vary depending on surface texture and porosity.

## 8. Available Colors

INCISE ThermoShield™ TPC is available in the following standard shades:

1. Urban White
2. Sahara Ivory
3. Desert Cream
4. Jasmine Glow
5. Concrete Grey
6. Slate Horizon
7. Charcoal Edge
8. Terracotta Clay
9. Cocoa Earth
10. Savannah Green

Custom project colors available upon request.

## **9. Packaging**

- 5 L
- 20 L

Supplied ready to use.

## **10. Storage**

Store in tightly sealed containers in cool, dry conditions.

Protect from frost and direct sunlight.

Shelf Life: 12 months from date of manufacture (unopened).

## **11. Health & Safety**

Avoid contact with eyes and skin.

Wear protective gloves and eyewear during application.

*Refer to the INCISE Safety Data Sheet for detailed information.*