

TECHNICAL DATA SHEET

ThermaGlaze – Thermoplastic Floor Coating System

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Product Description

ThermaGlaze is a high-performance thermoplastic acrylic-based coating system designed for floor applications requiring durability, gloss retention, and UV stability. The formulation includes advanced UV absorbers, ensuring long-lasting protection against weathering, sunlight, and surface degradation.

Features & Benefits

- Excellent adhesion to concrete and masonry substrates
- High gloss and color retention
- Strong resistance to UV radiation and outdoor exposure
- Durable film with good hardness and flexibility
- Compatible with common floor primers and sealers
- Easy to apply by spray or roller

Typical Properties

Property	Value
Non-volatile content (% by wt, 150 °C, 15 min)	60 ± 1
Viscosity (Gardner, 25 °C)	Z3 – Z5
Acid Value (mg KOH/g)	≤ 3
Color (Gardner)	≤ 1
Appearance	Clear, clean liquid
Glass Transition Temperature (T _g , °C)	~51

Recommended Applications

- Industrial floor coating
- Protective decorative concrete finishes
- Garage and warehouse floors
- Areas requiring UV resistance and gloss retention

■■ Not recommended for polished floors or tiles, as adhesion may be reduced.

Dilutability

- Aromatic hydrocarbon: Dilutable
- Ester solvents: Dilutable
- Ketones: Dilutable
- Alcohols: Dilutable
- Aliphatic hydrocarbon: Not dilutable

Application Method

- Ensure surface is clean, dry, and free of dust, oil, or contaminants.
- Apply by spray or roller in well-ventilated conditions.

- Can be used as a topcoat over compatible primers.

Packing

Supplied in 1 kg, 2.5 kg, and 5 kg containers.

Storage & Handling

- Store in a cool, dry, and well-ventilated area.
- Keep containers tightly closed when not in use.
- Shelf life: 12 months from date of manufacture under proper storage conditions.

Disclaimer

The information contained herein is based on our best knowledge and experience. Recommendations are given in good faith but without guarantee, as application conditions are beyond our control. Customers should evaluate product suitability in their own laboratory or field tests before commercial use.