

Isocrete TT

Product sheet

Product Description

Isocrete TT (Thin Top) Exterior Topping is a polymer modified cementitious topping designed to eliminate surface irregularities and smooth internal and external concrete surfaces exposed to industrial traffic.

Isocrete TT Exterior Topping can be pumped up to 1000m² per day.

Primary Applications

Isocrete TT will smooth and level concrete surfaces such as balconies, patios, domestic driveways, garages, walkways and other concrete surfaces exposed to normal foot and wheeled traffic.

Isocrete TT can also be used for filling holes and resurfacing damaged floors, such as concrete or cement/sand screeds, as well as pre-smoothing concrete floors / roof areas prior to the application of a suitable damp proof membrane.

Features / Benefits

- Pre-blended to overcome site batching variations
- Fast installation rate
- Pump applied
- Provides a strong, wear resistant thin overlay
- 2 mm to 20 mm
- Fast strength gain

Fire

Isocrete PQ is non-flammable.

Yield

Each 25kg bag of **Isocrete TT** will yield approximately 13.3 litres of mixed material.

Technical Information

Performance tests	Result
Compressive Strength EN13892-2	7 days >25 MPa 28 days >35 MPa
Working Time	30 Minutes
Walk on time	3 hours
Flow Ring (65mm diam x 40mm High)	220 – 240 mm
Water content per bag	3.8 - 4 litres
Minimum application thickness	2 mm
Fresh wet density	2180 Kg/m ³
Maximum grain size	1mm
Supply	25kg bags

Storage & Shelf Life

Isocrete TT will have a storage life of 12 months in unopened bags when kept in dry conditions at a temperature between 5°C and 45°C. **Storage at higher temperatures or high humidity may reduce shelf life.**

Directions for Use

Surface Preparation: Concrete and sand / cement screeds must be sound, dry and fully cured (not subject to shrinkage) and any laitance or surface treatments must be removed by mechanical means such as grit blasting. The surface tensile strength of the substrate should be a minimum 25 MPa.

Priming: Two coats of Isocrete primer is recommended diluted to 5-1 ensuring satisfactory bonding. All surfaces must be prepared as necessary to ensure good adhesion. The prepared surface must have the appearance of clean sound concrete with some exposed aggregate in the surface. There must be no traces of any dirt, previous treatments or surface contamination. Sufficient and thorough mechanical preparation is essential for commercial areas, especially those intended for exposure to regular or intensive wheeled traffic, or heavy loading. All cracks in new and old concrete can be repaired to inhibit cracking with Euco Qwikstitch Any structural or live joints, or cracks in the substrate must be carried through.

Mixing: Mix the powder and water according to the method recommended by the pump manufacturers. In the case of pumps having a continuous water feed adjust the rate of water flow until the mix is a smooth fluid, uniform grey liquid with no surface separation, producing a flow of approximately 220 - 240 mm.

Placing: Pour or pump the mixed material onto the prepared and primed surface. The use of a spiked roller will help eliminate entrapped air and smooth out flow lines. Apply at a thickness between of 2 mm to 20 mm in one pass only. Maintaining a "wet edge" as you work will help to minimise natural colour variations that can occur between sections. For thicker applications it is advisable to use the lowest recommended water addition level, to reduce the potential of surface laitance. To lay **Isocrete TT** Exterior Topping to falls add sufficient water to reach a trowel-able consistency.

Limitations:

- Do not place when the substrate temperature is below 5°C or when the ambient temperature is 10°C and falling.
- Do not apply in temperatures over 25°C.
- Protect from direct sun whilst applying and curing.
- Do not apply in excessively windy conditions.
- Do not apply in rain or when rain is forecast.
- Protect from frost.
- Do not exceed the maximum recommended water content and only use clean potable water.
- Avoid cleaning with acidic cleaning solutions.

Curing: Curing of exposed surfaces should be undertaken in accordance with good concrete practice.

Suitable methods of curing include water spray, polythene sheeting and spray applied concrete curing membrane such as Kureseal.

Health & Safety

Isocrete TT is alkaline when mixed with water and should not come into contact with skin or eyes. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs wash thoroughly with clean water. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice.

Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Flowcrete UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.

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