HITi
Construction Revolution

POOLFLEX 1062

Technical Data Sheet

High-Performance
Flexible Cement-Based Adhesive for Pools & Wet Areas



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Product Description

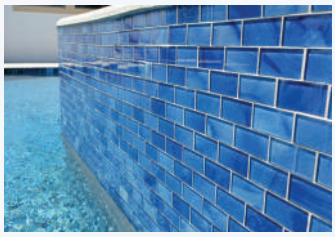
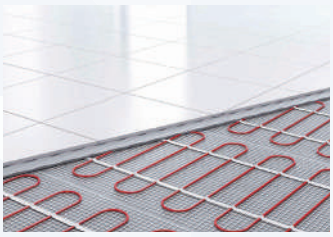
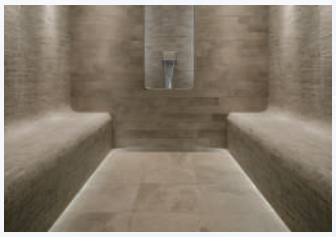
HITI POOLFLEX 1062 is a premium, highly flexible, water-resistant, cementitious tile adhesive with extended open time and reduced slip, designed to provide excellent adhesion and contribute to waterproofing. Suitable for bonding ceramic tiles, porcelain, natural stone, marble, granite and mosaics — even under challenging conditions such as immersion in water and thermal stress.

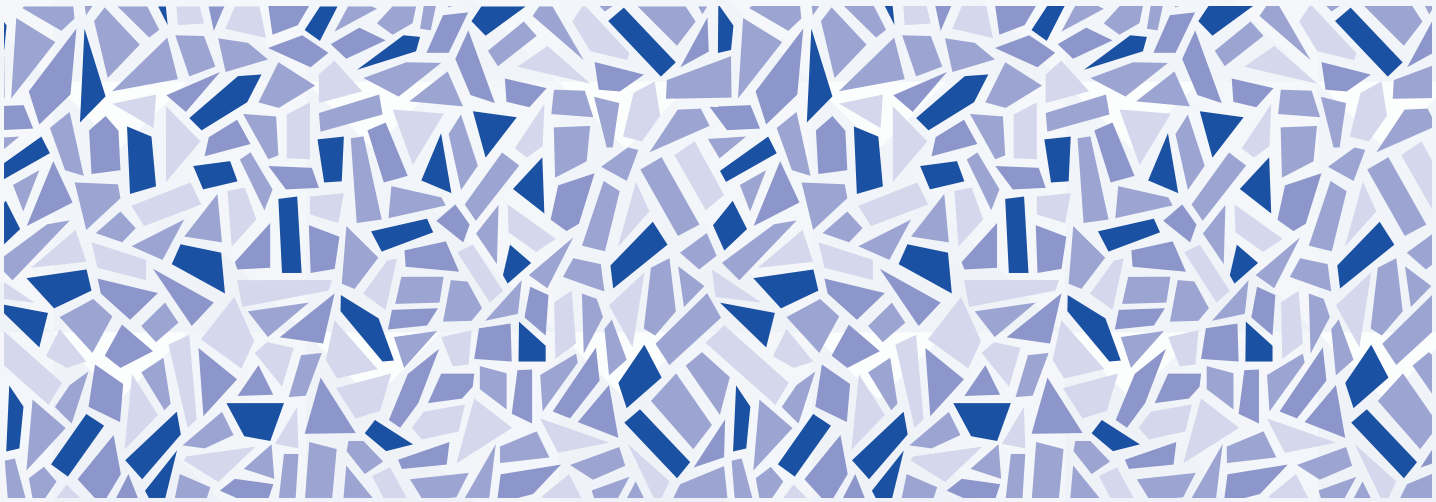
Areas of Use

- Interior & exterior floors and walls for all types of ceramic, porcelain, natural stone, marble and granite, mosaic and glass mosaic, decorative brick, and thin and large tiles.
- Swimming pools, water tanks, Kurdish baths, spas, and other continuously wet and immersed environments.
- Bonding glass mosaics and decorative tiles in submerged conditions.
- Installation over existing tile, marble, or granite surfaces (interior and exterior).
- Areas subject to sudden temperature changes (e.g., cold storage, heated floors).
- High-traffic zones such as shopping centers, hospitals, airports, and schools.

Maximum tile size

	Wall	Floor
Interior	all sizes	all sizes
Exterior	up to 90 × 180 cm	all sizes
Pools / immersed	up to 120 × 60 cm	up to 120 × 60 cm



Key Features & Advantages

- Excellent adhesion on multiple substrates.
- High deformability (S2) – resists cracking due to movement or temperature variation.
- Water-resistant and suitable for submerged applications.
- Extended open time for easier large-area installation.
- No sagging – ideal for vertical applications and large-format tiles.
- Smooth, creamy consistency for easy troweling.

Surface Preparation

- Substrates must be clean, sound, and dry, free from oil, grease, dust, or loose material.
- Cement-based surfaces must be fully cured. Remove any weak plaster, laitance, or contaminants.
- Lightly moisten highly absorbent surfaces before applying; on very absorbent surfaces, prime with **HITI LATEX**.
- Correct uneven areas using a suitable repair mortar (e.g., HITI REPAIR series) before tiling.
- For dusty tile backs, wipe with a damp cloth before fixing.

Mixing Instructions

- Pour 6.25 – 6.75 L of clean water per 25 kg bag into a mixing container.
- Gradually add **HITI POOLFLEX 1062** powder while stirring with a low-speed mixer until a smooth, lump-free paste forms (at least 3 minutes).
- Allow the mix to rest for 5 minutes, then remix briefly before use. Pot life: 2 hours / 25 °C.
- Do not add extra water or unauthorized additives.

Application

- Spread adhesive using a notched trowel suitable for the tile size (6 – 12 mm). Standard thickness: 6 mm (6 mm notched trowel); maximum 12 mm.
- First, apply a thin layer with the flat edge, then comb with the notched side.
- For tiles larger than 40 × 40 cm, for installation over existing tiles, or in severe conditions, also butter the tile backs (double-spread method).
- Install tiles within the open time (≥ 30 minutes) using firm pressure.



- Apply between +5 °C and +35 °C. Avoid working under direct sunlight, high wind, or extreme temperatures.

After Installation

- Protect freshly tiled areas from water, frost, and strong sunlight for at least 24 hours.
- **Grouting:** at least 24 hours after tiling (walls and floors).
- Allow at least 24 hours before light foot traffic; longer in cold or damp conditions.
- **Pools:** fill with water after 14 days.
- Do not apply in rainy weather; protect the surface for the first 24 hours.

Packaging

25 kg multi-ply paper bags. Colour: white.

Standards & Certification

Conforms to EN 12004: 2007 +A1:2012 **Classification:** C2TE S2

- **C2:** Improved cementitious adhesive
- **T:** Reduced slip

- **E:** Extended open time
- **S2:** Highly deformable

Health & Safety

- Contains cement, which is alkaline when mixed with water and may irritate skin, eyes, and respiratory system.
- Use protective gloves, goggles, and masks during application.

Storage & Shelf Life

- Store in original, unopened packaging in a dry, cool, and well-ventilated place between +5 °C and +35 °C.
- Protect from moisture, frost, and direct sunlight.
- Maximum stacking: 10 bags high.
- Shelf life: 12 months under recommended storage conditions.

Technical Data (at +23 °C and 50 % RH)

Property	Value
Appearance	White powder
Mixing Ratio	6.25 – 6.75 L water / 25 kg
Mix Density	1.8 g/cm³

Rest time	5 minutes, then remix briefly
Pot Life	2 hours / 25 °C
Open Time	≥ 30 minutes
Application Temperature	+5 °C to +35 °C
Service Temperature	–15 °C to +80 °C
Layer thickness	Standard: 6 mm (6 mm notched trowel) Maximum: 12 mm
Notched trowel	6 – 12 mm, according to tile size
Consumption	~8.6 kg/m² at 6 mm standard thickness ~4.3 kg/m² at 3 mm thickness
Grouting Time	At least 24 hours (walls and floors)
Light foot traffic	At least 24 hours (longer in cold or damp conditions)
Pool filling	After 14 days
Slip	≤ 0.5 mm
Tensile Adhesion Strength	Initial (28 days): ≥ 1 N/mm² After heat: ≥ 1 N/mm² After immersion: ≥ 1 N/mm² After freeze–thaw: ≥ 1 N/mm²
Deformability	≥ 5 mm (S2 – Highly deformable)
Primer (very absorbent surfaces)	HITI LATEX

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