

STRONG BOND GOLD

Type-1 T Tile Adhesive · EN/ISO Class C1T

Polymer based tile adhesive for fixing small to medium format ceramic tiles and small format natural stone on dry areas of interior floor & interior wall.

**IS 15477:2019
TYPE 1 T**

**EN / ISO
CLASS C1T**

**20 KG BAG
SINGLE COMPONENT**

**BED THICKNESS
UP TO 12 MM**

FEATURES & BENEFITS

- Single component, just add water
- Interior applications, polymer based
- Economical & easy to use
- Usable up to a bed thickness of 12 mm
- Exceeds ANSI A118.1T shear bond strength
- Complies with EN/ISO C1T classification
- Exceeds IS 15477:2019 Type 1T adhesive standards
- Can be fortified with latex admix for external use

SUBSTRATES

- Concrete
- Concrete masonry
- Cement mortar beds
- Cement plaster
- Ceramic tile*
- Brick masonry
- Cement terrazzo
- Existing natural stone*

**Surface to be cleaned and roughened before installation of tiles or stones.*

Application — Designed especially for dry areas of interior floor and interior wall installations of all types of ceramic tile, semi-vitreous tile, precast terrazzo and small format natural stones over concrete and on a variety of cement-based substrates.

WORKING PROPERTIES — at 70°F (21°C), mixed with water

Pot Life	Time to Heavy Traffic
3-4 hours	16-24 hours

0.60+

N/MM² DRY TENSILE

1.05+

N/MM² SHEAR ADHESION

12 mm

MAX BED THICKNESS

55-60 ft²

COVERAGE / 20 KG

IS 15477:2019 — PERFORMANCE DATA

Property / Test Method	Requirement	Typical Value
Tensile Adhesion — Annex A		
Dry Condition (Clause 5.1)	Min. 0.50 N/mm ²	0.60 - 0.70 N/mm²
Shear Adhesion — Annex B		
Dry Condition (Clause 5.2)	Min. 1.00 N/mm ²	1.05 - 1.15 N/mm²
Slip Resistance — Annex E		
Slip Resistance (Clause 5.5)	≤ 0.5 mm	0.1 - 0.2 mm

Applicable standards: ISO 13007; IS 15477:2019. Specifications subject to change without notice. Results shown are typical and reflect the test procedures used; actual field performance depends on installation method and site conditions.

ADDITIONAL DATA

Property / Test Method	Requirement	Typical Value
Open Time (IS 15477:2019)	$\geq 0.50 \text{ N/mm}^2$	0.65 - 0.68 N/mm²
Slip Resistance (IS 15477:2019)	$\leq 0.50 \text{ mm}$	0.30 - 0.40 mm
Tensile Adhesion Strength		
Dry Condition (IS 15477:2019)	$\geq 0.50 \text{ N/mm}^2$	0.55 - 0.65 N/mm²

Reproduced as listed in the source datasheet. Note: the "Open Time" row is stated in N/mm² in the original document rather than a time unit — worth confirming with QC before this goes out further.

COVERAGE & PACKAGING

Packaging	Colour	Coverage (per 20 kg bag)
20 kg bag	Grey	Approx. 55-60 ft ² using a 1/4"×1/4" (6mm×6mm) square notched trowel, 3 mm bed

Coverage will vary depending on trowel notch size, tile type and size, and substrate smoothness and evenness.

MIXING

Place clean, potable water into a clean mixing bowl. Add STRONG BOND-GOLD tile adhesive powder into the mixing bowl. Use approximately 4.6 to 5.4 litres of water for 20 kg of powder.

SURFACE PREPARATION

All surfaces should be between 40°F (4°C) and 104°F (40°C), structurally sound, clean and free of all dirt, oil, grease, loose peeling paint, laitance, concrete sealers or curing compounds. Check the surface to be true to plumb. Rough or uneven concrete surfaces should be made smooth with STRONG BOND Screed/Plaster. Dry, dusty concrete slabs or masonry should be dampened, and excess water swept off; installation may be made on a damp surface. New concrete slabs shall be damp-cured and 28 days old before application.* Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate; do not cover expansion joints with thin-set mortar.

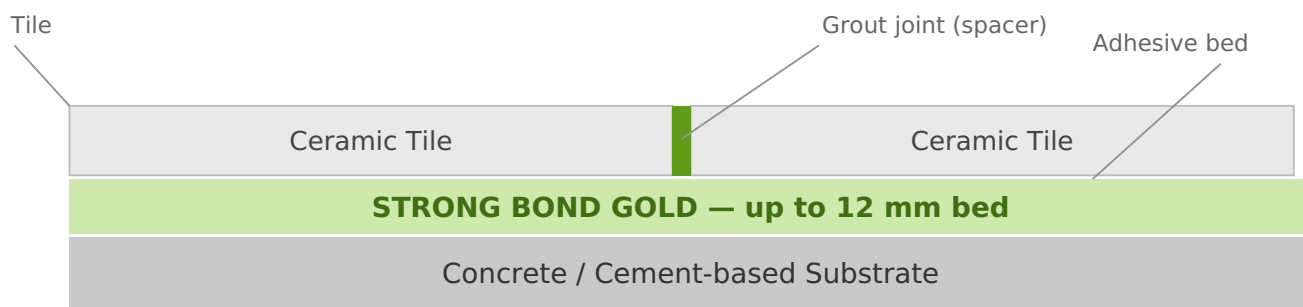
*No minimum cure time for concrete slabs when thin-set mortar is mixed with latex additive.

APPLICATION

Apply adhesive to the substrate with the flat side of the trowel, pressing firmly to work into the surface. Comb on additional adhesive with the notched side, using the proper sized notched trowel to ensure full bedding of the tile. Spread as much adhesive as can be covered with tile in 10 minutes. Back-butter large-format tiles (> 12"×12") to provide full bedding and firm support. Place tiles into the wet, sticky adhesive and beat in using a beating block and rubber mallet to embed the tile and adjust level. Check the adhesive for complete coverage by periodically removing a tile and inspecting bedding adhesive transfer onto the back of the tile. Use of STRONG BOND spacers is recommended to provide grout joints between tiles/stones, as per the recommendation of the architect/engineer. Remove the spacers once the adhesive has set firm.

*Contact STRONG BOND technical services for large-format tile or stone installations on exterior surfaces.

TYPICAL INSTALLATION BUILD-UP



Schematic representation only, not to scale. Interior dry areas only — follow the surface preparation and application steps above for actual installation.

DISCLAIMER

The information in this data sheet is based on our present knowledge and experience and is offered in good faith. Specifications are subject to change without notice. Results shown are typical values from internal test procedures; actual field performance depends on installation methods and site conditions, and should be verified by the user for the intended application.