



Flexible high polymer modified adhesive

Grip ON Tile Adhesive 7200 Flex is specially formulated flexible high polymer modified adhesive for the installation of Large Format Vitrified or & Marble or Granite Slabs on interior and exterior horizontal and vertical application with low water absorption rate. Available in both Grey and White base.

TILE ADHESIVE

7200 Flex



Packaging Size: 20Kg Bags

Features and Benefits

- Ready to use, only need water for mixing
- Suitable for indoor and outdoor use
- Excellent Tensile and Shear Adhesion, Low shrinkage.
- Flexible adhesive for low to medium level of vibration in substrata.
- Useful for bed thickness of 3 to 12 mm and up to 15mm in limited extend.
- No curing and hacking required on substrates
- Excellent Heat Ageing, ideal for application in high temperature areas such as external facade and bathrooms with Jacuzzi, Sauna, etc.
- Complies with ISO/EN standards with a C2TE S1 classification.
- Low VOC - Healthy living.
- Complies with IS 15477:2019 Type 4T S1

Recommended Substrate

- Cement Plaster
- RCC or Mivan or Precast structures
- Concrete Tile on Tile Application
- Cementitious Substrates
- Underwater areas such as swimming pool, water bodies, etc.
- Cement Screed
- External Top terrace

Application Methodology

Mixing

- Add three parts of GRIPON tile adhesive 7200 Flex powder to one part of water. The addition of water should be adjusted to attain the desired consistency.
- Always add powder into water.
- Mixing can be done manually or by low speed stirrer continuously for 5 to 10 min to obtain homogeneous lump free paste.
- After proper mixing leave paste for 5 minutes for polymeric dispersion. Use paste within 80-90 min.

Note

- Do not add water to extend the pot life of the mix.
- Do not add other materials such as Cement, Sand, etc. to the mix. This may substantially affect the performance of the product.

Method of Application

- Use a notched trowel to spread the adhesive, applying only as much as can be covered with tiles within 30 minutes.
- Begin laying the tiles on the prepared surface, ensuring they are positioned correctly to cover the entire backside and avoid air pockets.
- For large format tiles, it's advisable to use a technique called "double back buttering" to ensure a strong bond.
- Insert spacers between tiles to maintain consistent joints, allowing for thermal expansion and contraction.

Precautions & Limitations

- Avoid adding more water than the recommended amount.
- Do not add cement at the site.
- The adhesive is not suitable for use on surfaces such as direct gypsum plaster, metal, wood, or paint.
- If the tile adhesive has dried or developed a skin, it should be removed and replaced with fresh adhesive.

Technical standards and performance

Appearance	Cement Grey Powder
Mix ratio	Approx. 3 Powder: Water 1
Open time	30-40 Minutes
Adjustment Time	30-40 Minutes
Pot life	80-90 Minutes
Coverage	22-25 Sq.ft / 20 Kg Bag at 6 mm thickness 50-55 Sq.ft / 20 Kg Bag at 3 mm thickness
Foot Trafficable	24 hrs.
Applicable standard	ISO 13007/EN 12004/ IS15477, C2TES1 classification
Tensile adhesion strength	$\geq 1.5 \text{ N/mm}^2$ @ 28 days

Properties as per EN 12004: 2017 (C2TE S1)

Properties with Test Method	Requirements	Value range
Tensile Adhesion Strength (Clause 8.3) Initial After water immersion After heat aging	$\geq 1 \text{ N/mm}^2$ $\geq 1 \text{ N/mm}^2$ $\geq 1 \text{ N/mm}^2$	1.50 – 1.80 N/mm ² 1.20 – 1.40 N/mm ² 1.15 – 1.35 N/mm ²
Open Time @ 30 Minutes: Tensile Adhesion Strength (Clause 8.1 & 8.3)	$\geq 0.5 \text{ N/mm}^2$	0.85 N/mm ²
Slip (T) (Clause 8.2)	$\leq 0.50 \text{ mm}$	0.2 - 0.3 mm
Transverse Deformation (Clause 8.2)	$\geq 2.5 \text{ mm}$ and $\leq 5 \text{ mm}$	2.85 - 2.95 mm

Properties as per IS 15477: 2019 (Type 4T S1)

Properties with Test Method	Requirements	Value range
Tensile Adhesion Strength (As per annexure A) Dry Condition Wet Condition	$\geq 1.5 \text{ N/mm}^2$ $\geq 1.0 \text{ N/mm}^2$	1.85 – 2.00N/mm ² 1.20 – 1.50 N/mm ²
Shear Adhesion Strength (As per annexure B) Dry Condition Heat Aging Condition Wet Condition	$\geq 1.5 \text{ N/mm}^2$ $\geq 1.0 \text{ N/mm}^2$ $\geq 1.0 \text{ N/mm}^2$	1.80 – 2.00 N/mm ² 1.50 – 1.70 N/mm ² 1.20 – 1.50 N/mm ²
Slip T (Annex E)	$\leq 0.5 \text{ mm}$	0.2 - 0.3 mm
Transverse Deformability (Annex F)	$\geq 2.5 \text{ mm}$ and $\leq 5 \text{ mm}$	2.85 - 2.95 mm

Packaging - 20Kg bags

Storage

- GripON Tile Adhesive 7200 Flex has a shelf life of 12 months when stored in unopened bag under normal warehouse conditions.

Caution

- For Health & Safety Gloves should be worn during application. Any splashes on the skin or eyes must be washed off with clean water. In case of prolonged irritation medical advice should be sought.

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