

LX-7 Super Flex (Grey/White)

LX-7 Super Flex Grey & White complies to Type 4 T S2' as per IS 15477: 2019 - Adhesives for use with ceramic, mosaic and stone tiles - Specification. Also, LX-7 Super Flex Grey & White conforms to class C2TES2 as per EN 12004: 2017/ ISO 13007-a cementitious (C) improved performance (2) slip resistant (T) extended open time (E) with highly deformable (S2) tile adhesive.

PRODUCT DESCRIPTION:

LX-7 Super Flex Grey & White is a high polymer modified & highly flexible adhesive with enhanced properties of slip resistance, extended open time & excellent bond strength which is necessary for fixing large format tiles/natural stones & slim tiles on vertical & horizontal surfaces for indoor as well as outdoor application especially in external conditions, high footfall areas & on substrates subject to high deformations/vibrations.



KEY FEATURES AND BENEFITS:

- Highly Polymer modified - excellent bond strength at different conditions.
- Extended open time - suitable for large format & external condition.
- Good resistance against crack propagation.
- Sag Resistant formula - for hassle-free application on vertical walls.
- Water & shock resistant - suitable for wet areas & commercial floor too.
- Sustains heat ageing - Ideal for external & high temperature applications.
- Highly deformable adhesive - sustains substrate vibration.
- Good impact resistance- provides cushion effect to tiles and stones.

AREA OF USE

MATERIAL TO BE FIXED	ON SURFACE / SUBSTRATE	AREA OF APPLICATION
All types of ceramic tile, terracotta, pavers, brick, vitrified tiles, glass mosaic tiles, large format tiles, precast terrazzo, marble & natural stones, large thin/slim tiles, low thickness slabs.	Cement-based screeds/bed, gypsum & cement based plasters/renders, concrete surfaces & bricks, existing tiles & stones, other cement-based surfaces, waterproofing products, drywall like cement/bison/gypsum/fibre boards etc.*, Thermal insulation panel.	Floor and walls, internal & external area, saunas, spa, fountains & swimming pools etc., terraces & balconies, podium decks & facades, window/door frame, vibrational area, domestic applications, commercial applications, high footfall areas etc.

*Consult cement board/plaster board/cement slabs / Concrete precast sections & Gypsum dry wall manufacturer for product compatibility & Load carrying capacity before application. Reach out to GRESBOND team for extended support for exterior tile/stone fixing and drywall installation.

APPLICATION INSTRUCTIONS

- Clean the surface.
- Surface saturation with water (SSD condition).
- Add water first.
- Add LX-7 Super Flex (Grey/White) powder to water.
- Mix it with a mixer.
- Check material consistency.
- Wait 5 mins. and remix before use.
- Spread adhesive with a notch trowel.
- Back buttering.
- Place tiles within open time.
- Move tile opposite to notches & tap gently.
- Fill joints with Gresbond KE-100 Premium Epoxy Grouts

SUBSTRATE PREPARATION

- The substrate must be levelled, cured, undamaged, compact, rigid, resistant, dry and free from any debonding agents and from damp rising.
- All surfaces must be plumb and true to within 2-3 mm in 10 ft (3m).
- Dry, dusty surfaces should be dampened with water & excess water should be swept off.
- New concrete slabs shall be damp cured and 28 days old before application which will reduce the shrinkage from tile fixing surface.
- Expansion joints to be provided & filled with suitable sealant. Do not cover expansion joints with thin set tile adhesive/tile

MIXING

- Add 5 to 5.5 litres water for 20 Kg powder in a clean mixing vessel.
- Adjust the water as per desired consistency.
- Mix with a suitable mechanical stirrer or slow speed drills (50-100 rpm) until a lump-free homogeneous paste is obtained.
- Always mix the required quantity, which can be consumed within pot life.
- Leave the mixture for 5 minutes before use.
- No further water should be added.

PRECAUTIONS & NOTE

- Always add powder to water.
- Do not add excess water than recommended.
- Never add sand & cement at the site.
- Do not use on wet screed. Surface must be fully cured.
- Do not use the adhesive to correct surface irregularities greater than 15 mm.
- Protect from direct rainfall/foot trac for at least 24 hours.
- Designer/applicator must evaluate the use of an additional mechanical fastening system for extra security for more than 3m height (such as steel hooks fastened to the substrate).
- For large format tiles or stone, spacers are recommended.
- Movement joints should be provided at every 3m specially to accommodate contraction/expansion and filled with a flexible sealant.

APPLICATION

- Apply adhesive to the substrate with the flat side of the trowel.
- Comb on additional adhesive with the notched side.
- Use the proper sized notched trowel to ensure full bedding of the tile.
- Tiles must be fixed within 30 minutes of adhesive being applied, depending on the porosity of the surface and atmospheric conditions.
- Check the adhesive ribs periodically and if a skin has formed, remove the dried adhesive and apply fresh adhesive.
- Press the tiles firmly into position with a slight twisting action, checking periodically that good contact is maintained with the back of each tile and beat in using a rubber mallet to embed tile and adjust level.
- Leave no voids behind tiles.
- For large-size tiles or irregular surfaces, adhesive can additionally be buttered on the backs of the tiles to ensure full adhesive contact.
- Use suitable support along with adhesive for fixing tiles on vertical surfaces.
- For highly absorbent natural stones which may form a wet patch when adhesive is used, it is recommended to use a suitable impregnating sealer on all sides. Please refer Technical Data Sheets of product intended for use for specific instructions of use.
- For highly absorbent surfaces like drywalls, consult with GRESBOND technical team.
- Leave adequate joints between individual wall and floor tiles using GRESBOND spacers. The joint width shall be as per the recommendation of the architect/engineer.
- Clean off surplus adhesive from the tile face and between joints.
- Clean tools and tile work with water while adhesive is fresh.

COVERAGE

- Approx. 4.5-5.5 m²/20 kg Bag at 3mm thickness (using 6mm x 6mm notch).
- Approx. 2.5-3 m²/20 kg Bag at 6mm thickness (using 12mm x 12 mm notch).
- Approx. 1.2 kg/m² per mm of thickness

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

GROUTING

- Grouting should be carried out after 24 hours of tiling. Use the appropriate grouting material from GRESBOND range of cementitious and epoxy grouts.

PROPERTY	VALUE
Mixing Ratio (Powder: Water)	Grey-0.260:0.280 White-0.300:0.320 by wt.
Mixed Density	1.55-1.65 kg/litre
Open time	Approx. 40 minutes
Adjustability	Approx. 40 minutes
Pot life	Approx. 120 minutes
VOC content	<0.2 gm/litre
Application Temperature (substrates and materials)	5°C to 35°C
Adhesive thickness	3-12 mm
Setting/Trafficable/Grouting time	24 hours

GROUTING

- Keep out of reach of children. Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water.
- In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice. Limited to professional use only.
- For more details please refer the relevant Material Safety Data Sheet, available on request.

PERFORMANCE PROPERTIES AS PER IS 15477: 2019 (TYPE 4 'T S2')

TESTING PROPERTIES	REQUIREMENT	TEST RESULTS
Tensile Adhesion at Dry Condition, after 28 days	>1.5 N/mm ²	>1.65 N/mm ²
Tensile Adhesion at Wet condition	>1.0 N/mm ²	>1.25 N/mm ²
Shear Adhesion at Dry Condition	>1.5 N/mm ²	>1.65 N/mm ²
Shear Adhesion at Wet condition	>1.0 N/mm ²	>1.25 N/mm ²
Shear Adhesion at Heat Ageing	>1.0 N/mm ²	>1.35 N/mm ²
Slip resistance (T)	≤0.5 mm	0.20-0.25 mm
Deformability (S2)	>5 mm	>5.5 mm

Note: Test results are indicative as per testing method specified in standard.

• Test results may vary as per substrate, site condition & testing machine etc. Actual performance will depend on installation methods and site conditions.

LIMITATIONS

Do not apply directly to other drywall partitions of plywood & wood derivatives, decorative laminates, metal, plastic, highly deformable surfaces subject to vibrations. Use PUA- 100 as per application.

Use suitable waterproofing coating before tiling for wet area.

Disclaimer

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company office in your location.

Customer Care

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