



INNOVATION | SUSTAINABILITY | EXCELLENCE

NIRMAAHAN

NGPL TileEx AP





NGPL TileEx AP

NGPL TileEx AP is a polymer-modified, cement-based Type 2 tile adhesive conforming to IS 15477:2019. It is designed for fixing ceramic, vitrified, and low water-absorption tiles in interior and exterior applications, offering high bond strength, water resistance, and extended open time.

APPLICATION

- Fixing ceramic & vitrified tiles in interior and exterior application.
- Tile on tile application or repair and rehabilitation works
- Fixing ceramic and mosaic tiles on floor and wall surfaces.
- can be applied to substrates such as cement-based screeds and mortars, plasters, renders, concrete floors, concrete masonry, cement terrazzo, & blocks.

ADVANTAGES

- Non shrink - excellent bond with the substrate
- Ready to use, only water to be added
- Contains special chemicals to obtained non-shrink, water resistance and excellent adhesion properties
- Better bond than convenntionalement-based mortar
- Fast setting and quick s
- Self-curing
- Good mechanical strength

TECHNICAL DATA-SHEET

Product Name: NGPL TileEx AP

Technical Specifications (As per IS 15477:2019 – Type 2):

Parameter	Performance of TileEx AP	Requirement as per Test Method	Test Method
Pot Life	2-2.5 hours	Minimum 2 hours	IS 15477 – Annex B
Open Time (after 20 min)	0.63 N/mm ²	≥ 0.5 N/mm ²	IS 15477 – Annex C
Slip	2.5 mm	≤ 0.5 mm	IS 15477 – Annex D
Tensile Adhesion Strength – Initial	1.1 N/mm ²	≥ 1.0 N/mm ²	IS 15477 – Annex E
Tensile Adhesion Strength – After Water Immersion	0.6 N/mm ²	≥ 0.5 N/mm ²	IS 15477 – Annex E
Tensile Adhesion Strength – After Heat Aging	0.62 N/mm ²	≥ 0.5 N/mm ²	IS 15477 – Annex E
Tensile Adhesion Strength – After Freeze-Thaw Cycles	0.61 N/mm ²	≥ 0.5 N/mm ²	IS 15477 – Annex E
Adjustability Time	30 mins	≥ 20 minutes (Bond ≥ 0.5 N/mm ²)	IS 15477 – Annex F
E- Extended Open time Tensile Adhesion Strength	0.63 N/mm ²	≥ 0.5 N/mm ²	EN 12004



HOW TO USE

SURFACE PREPARATION

All surfaces must be sound and thoroughly clean before **NGPL TileEx AP** is applied. All traces of grease or oil must be removed with a chemical degreaser. All loose particles of mortar, old wallpaper, paint etc. must be physically removed.

MIXING

NGPL TileEx AP should be mixed with clear potable water in the ratio 3:1 by volume. A slow speed drill fitted with a mixing paddle is recommended for mixing. Add powder to water and mix until a uniform, lump-free consistency is achieved. The total quantity of water may be slightly adjusted to achieve the required consistency.

APPLICATION

NGPL TileEx AP should be spread on the substrate to a uniform thickness of 2-3mm, and then combed horizontally with a serrated trowel. Place tiles firmly into adhesive bed, ensuring good contact with a twisting motion, only apply to areas which can be tiled in the adhesive open wet time up to 1m² at a time).

JOINTS

It is recommended that when fixing ceramic tiles, a minimum spacing of 2mm be left around each tile.

FINISHING

Remove excess adhesive with a damp cloth before material has set. Joint grouting with TiloMax Grout may be commenced 24 hours after tiling.

CLEANING

NGPL TileEx AP should be removed from tools, equipment and mixers with clean water immediately after use. Cured material can only be removed mechanically.

STANDARDS COMPLIANCE

NGPL TileEx AP confirms to IS 15477 Type I & II.

DESCRIPTION

NGPL TileEx AP is available in grey and white colour.

ESTIMATING

Supply In 20kg, 25kg & 40 kg double laminated moisture resistant BOPP bags.

COVERAGE

Approx. 1.35 to 1.45 kg/mm/m²

STORAGE

NGPL TileEx AP must be stored at min+5°C and max +40°C. Avoid direct sunlight.



INNOVATION | SUSTAINABILITY | EXCELLENCE

SHELF LIFE

NGPL TileEx AP has a shelf life of 12 months if stored in a dry store in the original, unopened bags.

HEALTH AND SAFETY

NGPL TileEx AP does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on skin should be removed with water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, seek medical attention immediately – do not induce vomiting.

FIRE

NGPL TileEx AP is water based and non-flammable.



9909022327



www.nirmaahaan.com



contact@nirmaahaan.com