



INNOVATION | SUSTAINABILITY | EXCELLENCE

NIRMAAHAN

NGPL TileEx VT





NGPL TileEx VT

NGPL TileEx VT is a cement-based, polymer-modified tile adhesive formulated for fixing ceramic tiles on interior wall and floor surfaces. It offers excellent workability, strong adhesion, and ease of application for basic tile fixing jobs.

APPLICATION

- Internal wall and floor installations
- Fixing of ceramic tiles
- small vitrified tiles
- Residential bathrooms, kitchens, and internal dry areas

RECOMMENDED SUBSTRATES

- Cementitious plaster and screed
- Concrete
- Brick masonry

ADVANTAGES

- Pre-mixed – just add water
- Consistent performance and high bond strength
- Non-sag formula for vertical applications
- Easy to apply with standard notched trowel



Technical Parameters – Type 1 Tile Adhesive (IS 15477:2019)

Property	Performance of TileEx VT	Requirement	Test Method
Tensile Adhesion Strength – Initial	0.55 N/mm ²	≥ 0.5 N/mm ²	IS 15477 – Annex E
Tensile Adhesion Strength – After Water Immersion	0.53 N/mm ²	≥ 0.5 N/mm ²	IS 15477 – Annex E
Tensile Adhesion Strength – After Heat Ageing	0.52 N/mm ²	≥ 0.5 N/mm ²	IS 15477 – Annex E
Tensile Adhesion Strength – After Freeze–Thaw Cycles	NA	Not applicable for Type 1	IS 15477 – Annex E
Open Time (20 min)		≥ 0.5 N/mm ²	IS 15477 – Annex C
Extended Open Time (30 min)	30 mins	Not required	—
Slip	3.5-4 mm	≤ 0.5 mm	Annex C
Pot Life	2-2.5 hours	≥ 2 hours	IS 15477 – Annex B
Adjustability Time	30 mins	Manufacturer to declare	Annex E (optional)
Extended Open time Tensile Adhesion Strength	0.55 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 VT** is applied. All traces of grease or oil must be removed with a chemical degreaser. All loose particles must be removed, old wallpaper, paint etc. must be physically removed.

SURFACE

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MIXING

NGPL TileEx VT should be mixed with clear potable water in the ratio 3:1 by volumen (3 part powder : 1 part water). 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 VT 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's open wet time up to 1m² at a time).

COVERAGE

Approx 1.35 o 1.45 kg/mm/m²

FINISHING

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

CLEANING

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

LIMITATIONS

NGPL TileEx VT should not be used when the temperature is below 5°C and falling. The product should not be exposed to moving water during application. If any doubt arise consult **NGPL technical team**.

STANDARDS COMPLIANCE

NGPL TileEx VT confirms to IS 15477 Type I.

DESCRIPTION

NGPL TileEx VT cementitious powder is available in grey colour.



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PROPERTIES

Specific gravity: 1.17 to 1.20 g/ cc

ESTIMATING

Supply In 30 kg bags

COVERAGE

Approx. 3.8 kg/m²@ 2mm

STORAGE

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

SHELF LIFE

TILOMAX CR has a shelf life of 12 months if kept in a dry store in the original, unopened bags.

HEALTH AND SAFETY

NGPL TileEx VT 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 VT is water based and non-flammable.



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