# NX300

## HighPerformancePremium Cement-Based, Polymer-Modified Tile Adhesive

NEXCRETE NX300 is a High Performance premium, polymer-modified tile adhesive. Designed for superior bonding of ceramic, clay, basalt, vitrified, glass mosaic, porcelain, and natural stone tiles. Suitable for interior and exterior use on floors and walls.Also for tile on tile insulation.




*Stronger Bonds, Peaceful Living*

## Where to Apply

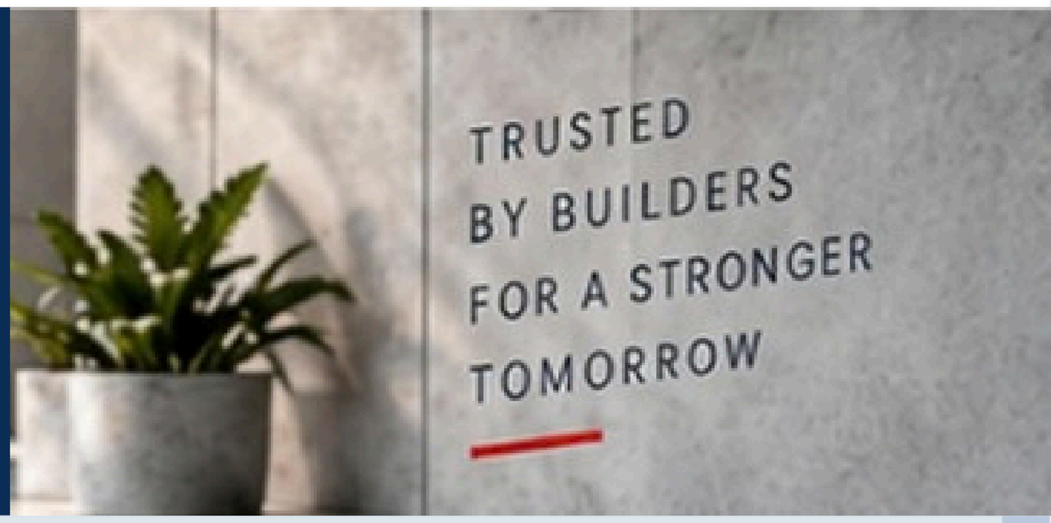
Applications: Ceramic, Vitrified, Stones, Marbles, Basalt, Glass, Mosaic, Porcelain, Natural Stones on surfaces- Plaster, Concrete, Screed on dry and wet zones

## Why to use our product

- **Strong adhesion for lasting performance**
- **Tiles can be fixed directly - no pre-wetting needed**
- **More working time to adjust and fix tiles perfectly**
- **Easy to use - single component, mix with water only**
- **Self-curing - saves labor and time**
- **Built for durability and long life**
- **Excellent slip resistance on vertical surfaces**

# Application Method & Technical Data

Step-by-step installationguidancewithperformance specifications for NEXCRETE NX300.



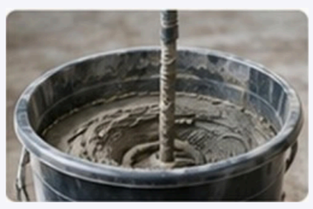

## Application Steps

### 01 Water addition



Add clean water approx. 8.8 to 9.6 L to a clean mixing container.

### 02 Mixing



NEXCRETE NX300 requires 22-25% potable water by weight of material. Add NX300 to the measured quantity of water and stir mechanically for 3-5 minutes until lump-free.

### 03 Mixing




NEXCRETE NX300 requires 25% potable water by weight of material.

Add NEXCRETE NX300 to the measured quantity of water, while continuously stirring using a mechanical stirrer for 3-5 minutes to ensure a consistency free of lumps.

Allow the mix to stand for 5 minutes to mature and then mix it again before use.

Do not add more water to alter the mix consistency or to extend the pot life. Further water addition will hamper the adhesion strength of the tile adhesive.

### 04 Application



Applythe mixed Nexcrete NX300 to the prepared substrate using the appropriate notched trowels (recommended 6mm) according to the size of the tiles being laid.

It is recommended to use suitable spacers while fixing tiles to ensure uniform tile fixing and creation of joints.

A minimum of 3mm bed thickness of tile adhesive for walls and floors must be achieved. Average bed thickness should be between 3mm - 12 mm.

Lay tiles onto the adhesive. Gently press each tile and move it in perpendicular direction to the notches, to ensure no air cavity remains in mortar and good initial bonding is attained. Do not disturb the tiles until the adhesive has set.

It is recommended to fix the tiles within 30 minutes of spreading Nexcrete NX300 to achieve adequate bonding as per the technical data provided.

Any tile fixing after 30 minutes of spreading Nexcrete NX300 will lead to improper adhesion and may result in de-bonding of tiles.

For vertical surfaces applications, tiling should start from bottom to top.

For tile-on-tile and tile-over-old cement floor applications: Inspect the existing tiles for cracks and soundness, and carry out necessary repairs. Ensure proper surface preparation by removing polish, wax, or any smooth top layer to create sufficient mechanical key and friction for proper bonding.

## Key Performance Indicators

**Pot Life**

**150 Minutes**

**Open Time @25°C**

**35 Min**

**Recommended Thickness**

**3–12 mm**

**Coverage / 40 kg**

**110-120 sq ft @ 3mm**

## TYPE 3 - TILE ADHESIVE

| PARAMETERS | TYPICAL VALUES |
|---|---|
| Bulk Density | 1300-1500 kg/m³ |
| Water Demand | 8.8 - 9.6 L/Bag |
| Pot Life | 150 Min |
| Open Time @25°C | 35 Min |
| Adjustable Time @25°C | 35 Min |
| Usage Time Post application | 24 hrs |
| Recommended Thickness | 3-12 mm |
| Shelf Life | 12 Months |
| Coverage / 40 kg | 110-120 sq ft @ 3mm |

# Performance, Safety & Storage

Verified bond strength data, safe-use guidance, and important installation notes.

## Performance Test Results

| Tensile Adhesion - N/mm² @ 28 days | Test Results | As per IS 15477-2019 |
|---|---|---|
| DRY Condition | Exceed standard | Minimum 1.50 N/mm² |
| WET Condition | Exceed standard | Minimum 1.00 N/mm² |
| Slip Resistance / mm | < 0.5 mm | < 0.5 mm |

| Shear Adhesion - N/mm² @ 28 days | Test Results | As per IS 15477-2019 |
|---|---|---|
| DRY Condition | Exist standards | Minimum 1.50 N/mm² |
| WET Condition | Exist standards | Minimum 1.00 N/mm² |
| Heat Condition | 1.00 N/mm² | 1.00 N/mm² |




### Shelf Life

NEXCRETE NX300 Tile Adhesive has a shelf life of 12 months from the date of manufacture.

### Safety Directions

Product is non-toxicand non-flammable.
Wear gloves and goggles while working.
If the material splashes on skin or in eyes, wash with plenty of clean water immediately.
Consult a doctor if irritation continues.

### NOTE

Wait at least 24 hours before using the tiled area.
Do not tile if temperature may fall below 5°C or rise above 50°C. Below 20°C, allow extra curing time.
Working times depend on surface type, wind, temperature, and humidity at site.
Do not use on: flexible surfaces like fiber cement board, plaster board, timber; or directly on metal, glass, plastic, PU membranes, and moisture-sensitive tiles/stones.
Do not apply in direct sunlight.
Lab values may vary with actual site conditions and workmanship.

**Technical Parameters**

Meets C2TE - IS 15477-2019 and EN 12004/ISO-13007
High-grade performance, tested and certified.