NX400

High-Performance,Highly FlexiblePolymer-Modified Tile Adhesive

NEXCRETE NX400 is a premium grey, cement-based, polymer-modified tile adhesive designed for high performance and long life ideal for large-format tiles on cement surfaces and deformable drywall boards. Perfect for both interior and exterior wall and floor applications not suitable for metal tiles and engineered stones.



Stronger Bonds, Peaceful Living

Where to Apply

Designed for thin-bedfixing of large-format tiles, marble, and natural stones. Perfect for Interior and Exterior floors and walls on cement-based surfaces like plaster, concrete, and screed in dry, wet, and water-submerged areas. Also excellent for deformable substrates such as gypsum boards, calcium silicate boards, MDF, Fiber cement, cement boards, and bison panels. Primer required on drywall board substrates before application.

Why to use our product

- Excellent adhesion for lasting bond
- Non-sag gel technology - ideal for walls
- Self-curing - saves time and effort
- Built for durability and long life
- Flexible - perfect for surfaces prone to movement
- Longer working time to fix and align tiles perfectly
- High slip resistance for better grip during installation

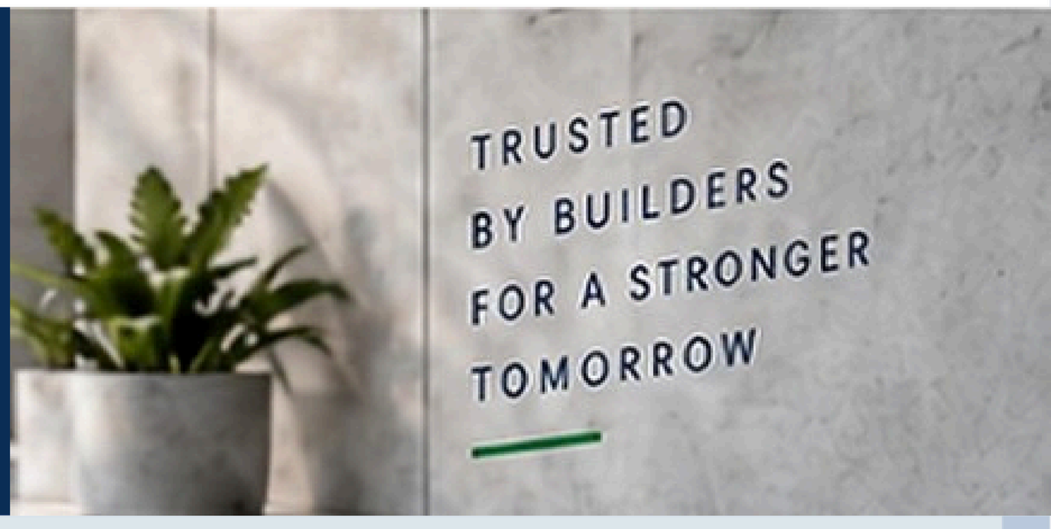
NEXCRETE THE FUTURE BUILDS HERE

H.O.: 1st Block, FN 214, Jain Cambrae East Apartment, Avinashi Road, Peelamedu, Coimbatore - 641004

Plant: Sasi Premix, 456/2, Keeranur Post, Kangayam Taluk, Tiruppur - 638701

Application Method & Technical Data

Step-by-step installationguidancewithperformance specifications for NEXCRETE NX400.



Application Steps

01 Water addition



Add clean water approx. 9.2 to 10 L to a clean mixing container.

02 Surface Preparation



Prepare the surface and clean the tiles before the application of tile adhesive by removing oil, bond inhibiting agents, dirt, dust and laitance.

Clean the surface following suitable methods like by using wire brush, water jetting, mopping, etc

03 Mixing



NEXCRETE NX400 requires 23-25% potable water by weight of material.

Add NEXCRETE NX400 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



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 NX400 to achieve adequate bonding as per the technical data provided.

Any tile fixing after 30 minutes of spreading Nexcrete NX400 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. Carry out necessary repairs. Ensure adequate 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
3 hrs

Open Time @25°C
35 Min

Recommended Thickness
3–12 mm

Coverage / 40 kg
110-120 sq ft @ 3mm

TYPE 4 - TILE ADHESIVE

PARAMETERS	TYPICAL VALUES
Bulk Density	1300-1500 kg/m³
Water Demand	9.2 - 10 L/Bag
Pot Life Open Time @25°C	3 hrs
Adjustable Time @25°C	35 Min
Usage Time Post application	35 Min
Recommended Thickness	24 hrs
Shelf Life	3-12 mm
Coverage / 40 kg	12 Months
	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	Exceed standard	Minimum 1.50 N/mm²
WET Condition	Exceed standard	Minimum 1.00 N/mm²
Heat Condition	1.0 N/mm²	1.0 N/mm²



Shelf Life

NEXCRETE NX400 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

The technical data sheet contains details taken in lab-testing conditions and may vary in actual usage due to the methods of applications at sites.
Kindly avoid applying in conditions with temperatures below 5°C or exceeding 50°C.
This product has been formulated to help provide resistance and reduce plastic shrinkage and drying shrinkage cracks. The design, load or movement can cause or not prevent structural cracks.
The product is formulated to reduce material wastage, time required and physical efforts. The site conditions and skill of workmanship can make actual results different.
If in conditions such as windy and (or) high temperature conditions the product is applied, due to faster drying and such causes can result in shrinkage related issues.
Consult NEXCRETE Building Solutions Private Limited, Technical Services Cell for any further technical assistance.

Technical Parameters

Meets Type 4TS1 - IS 15477:2019
Meets C2TES1 - EN 12004:2017 / ISO 13007-1:2014
Tested for high deformability and superior performance.