

TECHNICAL DATA SHEET

HomeSure TileEx **EX-11** Ceramic Expert is grey cement-based powder formed adhesive which gives better quality strength. This adhesive is general purpose adhesive, easy to handle, which requires only addition of clean water to produce easily workable mortar. Ideal for tiles with apparent porosity greater than 3%.

SUBSTRATE

Cementitious substrates like plasters concrete.

APPLICATION AREA

Interior floors and walls.

PREFERRED TILES TYPE

Suitable for clay and ceramic tiles.



FEATURES

- Easy mixing, smooth application & good workability
- Excellent bond to various building materials and substrates
- Highly water resistant
- Low VOC - for healthy living



PHYSICAL PROPERTIES

NATURE	Grey dry powder
COMPOSITION	Graded sand, cement, selected fillers and polymers
WATER DEMAND	25% ± 5%
POT LIFE	120 ± 30 minutes @temp 27°C
OPEN TIME	≥20 minutes @temp 27°C
ADJUSTMENT TIME	≥10 minutes @temp 27°C
APPLICATION TEMPERATURE	10°C to 40°C
GROUTING TIME	24 hours
TIME TO HEAVY FOOT TRAFFIC	24 hours

APPLICATION AREAS

- Suitable for interior wall & floor applications
- Suitable for Clay tiles, Ceramic tiles

APPLICATION PRECAUTIONS

- Do not add more water than recommended
- Optimum adhesive thickness 3 mm -12 mm
- Do not use directly on gypsum plaster surface, paint, wood and metal

PERFORMANCE AGAINST STANDARD

EN 12004:2017 PART 1

Test Method	Requirement	Typical Values
Tensile Adhesion Strength, N/mm²		
Tensile strength extended open time, N/mm ²	≥0.50	0.60 ± 0.05
Initial	≥0.50	0.60 ± 0.05
After heat ageing	≥0.50	0.55 ± 0.05
The adhesive mortar conforms to EN 12004 / ISO 13007 as C1T		

IS 15477:2019

Test Method	Requirement	Typical Values
Shear Adhesion Strength, N/mm²		
Dry condition after 28 days	≥1.00	1.20 ± 0.15
Tensile Adhesion Strength, N/mm²		
Dry condition after 28 days	≥0.50	0.90 ± 0.10
The adhesive mortar conforms to IS 15477:2019 as Type C1T		

COVERAGE



1.3 Kg-1.5 Kg /mm/ M².] 50 - 55 Sq. Ft./ Bag (20 Kg) at 3 mm thickness on a plain surface (depending on substrate conditions).

SURFACE PREPARATION

Ensure the substrate is dry, clean, and structurally sound.



Condition

Substrate must be stable, cured, compact. Free from dust, oil, grease and contaminants. There should be no rising dampness, loose particles or flaky areas.

Surface Stability

The surface must be free of cracks and imperfections, with no hygrometric shrinkage present. Any uneven areas should be smoothed with suitable products.

Concrete

If applying on concrete, it should be cured for at least 28 days to prevent shrinkage after tile installation. For external applications or areas exposed to heavy foot traffic, ensure proper curing times.

MIXING



- Take 5 ± 1L of clean water for 20 Kg bag of HomeSure TileEx **EX-11** in a clean bucket.

It is important to add powder into water and not vice versa

- Stir continuously for 3-5 minutes by using mechanical stirrer to obtain a homogeneous lump - free paste
- Allow the resultant paste to stand for about 10 minutes for the additives to dissolve
- Re-mix again for about 2 minutes. The mixture is now ready to apply

GUIDANCE FOR APPLICATION

APPLICABLE SUBSTRATES

- Cementitious substrates like plasters and concrete
- Cementitious dry screeds
- Any interior surface having porosity ≥3%

APPLICATION



- Dampen the surface to be plastered with clean water. Allow excess water to drain off
- The tiles should be immersed in water for about two hours before fixing
- Apply material with notched trowel, use 6 mm - 10 mm notch trowel for application as per the size of tile
- Application should be angled between 45 to 60 degrees, using the right amount of pressure. Check for holes and gaps in the adhesive, spread it evenly
- Fix the tile in the place and press it sideways or tap gently with mallet from the center towards the outside. (in case 600 x 600 mm and for larger tiles, use tile vibrator for better dispersion)
- Use a notched trowel to remove excess mixture from the tile and clean it by using a damp cloth or sponge

SHELF-LIFE & STORAGE INSTRUCTIONS



- 12 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 40°C
- Store in dry and well-ventilated place away from heat source, direct sunlight, humidity, water source
- Avoid using partially used material; open bags with partially used material should be kept in a bag with its mouth tied tightly with string to prevent lump formation

HEALTH AND SAFETY INFORMATION



- Refer MSDS for information and advice on the safe handling, storage and disposal of chemical products
- Use rubber hand gloves and safety goggles, while using product
- Avoid contact with skin/eyes and avoid swallowing. In case of contact with skin, wash with plenty of water
- Keep out of children's reach

PACKING

Available in 20 Kg bag



HOMESURE TILE EX RANGE OF PRODUCTS

Tile Expert



TA EX Version 1 - 26 Mar 2026

