

TECHNICAL DATA SHEET

HomeSure TileEx EX - 44 (Grey) is highly polymerised, cement-based coloured adhesive formulated with special properties like water resistant, slip resistance, flexibility and extended open time.

SUBSTRATE

Suitable for concrete or plaster.

APPLICATION AREA

Interior and Exterior floor & Exterior wall applications.

PREFERRED TILES TYPE

Suitable for tiles like ceramic, clay tiles, basalt tiles, vitrified, glass mosaic tiles, porcelain tiles and all natural stone tiles



FEATURES

- Easy mixing, smooth application & good workability
- Extended open time- suitable for large format & external condition
- Excellent bond to various building materials and substrates
- Excellent tensile & shear adhesion strength
- 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	150 ± 30 minutes @temp 27°C
OPEN TIME	≥35 minutes @temp 27°C
ADJUSTMENT TIME	≥30 minutes @temp 27°C
APPLICATION TEMPERATURE	10°C to 40°C
GROUTING TIME	24 hours
TIME TO HEAVY FOOT TRAFFIC	24 hours

APPLICATIONS

- Suitable for all areas applications
- It can be used for both new and old walls and tile on tile application

APPLICATION PRECAUTIONS

- Do not add more water than recommended
- Optimum adhesive thickness 3 mm -15 mm
- Do not directly use on gypsum plaster surface, paint, wood and metal
- Before tile-on-tile application, ensure that the original tiling surface has enough roughness to provide the required high strength bonding

PERFORMANCE AGAINST STANDARD

EN 12004 / ISO 13001 DATA

Test Method	Requirement	Typical Values
Tensile strength extended open time, N/mm ²	≥0.50	0.80 ± 0.10
Slip resistance, mm	≤0.50	0.35 ± 0.10

Tensile Adhesion Strength, N/mm²

Initial	≥1.00	1.60 ± 0.20
After water immersion	≥1.00	1.30 ± 0.10
After heat ageing	≥1.00	1.20 ± 0.10
After freeze - thaw	≥1.00	1.20 ± 0.10

The adhesive mortar conforms to EN 12004 / ISO 13007 as C2TE

IS 15477 DATA

Test Method	Requirement	Typical Values
Tensile Adhesion Strength, N/mm²		
Dry condition	≥1.50	1.70 ± 0.10
Wet condition	≥1.00	1.30 ± 0.10

Shear Adhesion Strength, N/mm²

Dry condition	≥1.50	1.70 ± 0.10
After water immersion	≥1.00	1.20 ± 0.10
After heat ageing condition	≥1.00	1.20 ± 0.10
Slip resistance, mm	≤0.50	0.35 ± 0.10
Transverse deformation, mm	≥2.50 <5.00	2.60 ± 0.10

The adhesive mortar conforms to IS 15477:2019 as Type 3TS1

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 and free from dust, oil, grease and contaminants. There should be no rising damp, 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 traffic, ensure proper curing times.

MIXING



- Take 5 ± 1L of clean water for 20 Kg bag of HomeSure TileEx **EX - 44** (Grey) in a clean bucket.

It is important to add material 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 5 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
- Tiles and stone tiles on exterior substrate

APPLICATION

- Dampen the surface to be plastered with clean water. Allow excess water to drain off
- Apply the material with the help of notch trowel, use 6 mm to 12 mm notched trowel as per 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. (for 600 x 600 mm and 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



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



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



HOMESURE TILE EX RANGE OF PRODUCTS

Tile Expert



TA EX Version 1 - 26 Mar 2026

