

**HOMESURE**  
**TILE EX**

Tile Expert

**EX - 344 W**

**EXTERNAL EXPERT**

## TECHNICAL DATA SHEET

HomeSure TileEx EX - 344 W is highly polymerised, white cement-based white 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 & Exterior floor & 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	White 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	≥35 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 interior and exterior wall & floor applications
- Can be used for both new, old walls and tile on tile application

## APPLICATION PRECAUTIONS

- Do not add more water than recommended
- Maximum adhesive thickness 3 mm - 12 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 13007 DATA

Test Method	Requirement	Typical Values
Tensile strength extended open time, N/mm <sup>2</sup>	≥0.50	1.00 ± 0.10
Slip resistance, mm	≤0.50	0.35 ± 0.10

#### Tensile Adhesion Strength, N/mm<sup>2</sup>

Test Method	Requirement	Typical Values
Initial	≥1.00	1.50 ± 0.30
After water immersion	≥1.00	1.40 ± 0.20
After heat ageing	≥1.00	1.40 ± 0.20
After freeze - thaw	≥1.00	1.30 ± 0.20
Transverse deformation, mm	≥ 2.50 < 5.00	2.60 ± 0.10

The adhesive mortar conforms to EN 12004 / ISO 13007 as C2TES1

### IS 15477 DATA

Test Method	Requirement	Typical Values
<b>Tensile Adhesion Strength, N/mm<sup>2</sup></b>		
Dry condition	≥ 1.50	1.60 ± 0.10
Wet condition	≥1.00	1.30 ± 0.10

#### Shear Adhesion Strength, N/mm<sup>2</sup>

Test Method	Requirement	Typical Values
Dry condition	≥1.50	1.60 ± 0.10
Wet condition	≥1.00	1.20 ± 0.10
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/ M<sup>2</sup>) 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, oils, 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 to 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 time.

## MIXING



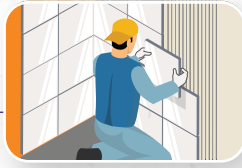
- Take 5L ± 1L ml of clean water for 20 Kg of HomeSure TileEx **EX - 344 W** in a clean bucket. It is important to add material to water and not vice versa
- Stir continuously for 3-5 minutes by using mechanical stirrer to obtain a homogeneous lump - free paste
- Allow the resultant paste to stand for about 5 minutes for the additives to dissolve
- Re-mix again for about 2 minutes. The mixture is now ready for application

## GUIDANCE FOR APPLICATION

### APPLICABLE SUBSTRATES

- Cementitious substrates like plaster & 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 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. (in case of 600 x600 mm and large tiles, use tile vibrator for better dispersion)
- Use a notched trowel to remove excess mixture from the tile and clean it with 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 & 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 - 25 Mar 2026

