



**TECHNY
CHEMY**

TEC^R CHILL TILE

Thermal Insulation Tiles



KEY BENEFITS AND FEATURES:

- 90 % Heat Resistance
- Reduces the indoor hot air flow by preventing heat penetration
- Saves Energy
- Fire resistance
- Eco friendly
- It can be fixed instantly on the concrete roof
- Light weight reduces the load of the structures
- Anti Skid
- Lower Maintenance
- Less stain absorption
- Non Porous

USUAGE:

It can be used over the concrete roof as an alternative to traditional clay tiles.

DIRECTIONS FOR USE:

SURFACE PREPARATION:

NEW SURFACE

The surface should be sound, free from dirt, oils and greases. In case if any concrete curing membranes has been used it has to be removed by wire brush thoroughly to avoid debonding.

OLD SURFACE:

If the concrete has been casted and used for a while, check for cracks and if anything is found it has to be filled properly. Please read our Technical booklet for suggestions or talk to TECHNY Technical cell.

INSTALLATION:

A slope of 1:100 has to be formed with **TEC^R COOLLITE** or using grano mix with 1:4:8 using 6mm downgraded chips maintaining an average thickness of 16 - 18 mm at the centre of the surface. Install the tiles with **TEC^R BOND 25** or CM 1:5 and press the tiles gently to remove the entrapped air below the tile to avoid vacuum formation.

Pointing shall be done with **TEC^R TILE 12 - COOL**.

For skirting purpose, each tile must be cut into two and the edges chamfered using diamond cutting machine. The tile should be embedded in the parapet wall at the brick level and finished off with proper plastering.

It is recommended not to use soft and porous materials as substrate. The compaction and air voids in these materials can cause cracks in the future.



TECHNICAL DATA:

POST APPLICATION: Wipe of the excess grout before hardening.

Physical State	Solid (Tile)
Foot traffic rating	Residential to moderate commercial
Color	White
Thermal Conductivity	0.6 to 0.7 w/mk
Albedo (Solar reflectance)	0.70
Solar reflection Index (SRI)	90.1
Water Absorption	4.9%
Size	1'X 1'

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**TECHNICAL DATA SHEET
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