



**TECHNY  
CHEMY**

**TEC<sup>R</sup> 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<sup>R</sup> COOLLITE or using grano mix with 1:4:8 using 6mm downgraded chips maintaining an average thickness of 40 mm at the centre of the surface. Install the tiles with TEC<sup>R</sup> 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<sup>R</sup> 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.



Certified:  
ISO 9001 (QMS) & ISO  
14001 (EMS)



**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	230 mm x 230 mm

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**TECHNICAL DATA SHEET  
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