

NITCO TILES

Caststone

SPECIFICATION

Concrete is normally associated with multi-storey car parks, power stations, road works etc. However NITCO's caststone is light and versatile and yet has the solidity and density of concrete.

Caststone is smooth to touch is modern yet classical. Today many architects and planners, the world over are fast recognizing the grace, warmth & charm of designer concrete "CASTSTONE". Modern molding and processing methods of concrete have been developed in house at NITCO.

CASTSTONE: Precast concrete tiles for use on floors & walls. Composed of a concrete mix design using silica sand, quartz, white cement and special chemical which provide dense & hard surfaces with low porosity which are suitable for heavy use.

TECHNICAL SUMMARY

- 1. Water Porosity** : 0.4g/sqcm
- 2. Abrasion Resistance** : Average Abrasive Wear Index: 178
- 3. Transverse Strength** : 5.0n/sq mm
- 4. Compressive Strength** : 50 mpa
- 5. Flexural Strength** : 8.0 mpa
- 6. Mohs Hardness** : 5
- 7. Standard Tile Sizes & weights** : 300x300x25mm - 50 kgs
400x400x30mm - 10.5 kgs
600x600x32mm – 26 kgs
600x300x30mm – 13 kgs
- 8. Tolerance** : Size- +/- 1.0mm Thickness- +/- 3mm
Warpage- +/-2mm
- 9. Installation** : Cladding- Mechanically fix per engineering design. Flooring – Using Bal Endura/ Laticrete/Silver/Gold Star.
- 10. Suggested Grout Joints** : 3mm

11. **Packaging** : Corrugated Boxes

12. **Sealer:**

Stainless:

- Density 1.1 g/ml
- VOC (ASTM 3960-89) < 240 g/l
- Boiling point 100° C
- Vapor pressure @ 20° C 18 mmHg
- Evaporation Rate 1, Water = 1
- Solvent DPM (5%) and water (75%)

Ever Shine:

- Colorless, transparent liquid. It cures, seals, hardens, dustproof, bonds & restricts external moisture/ice to penetrate.
- Special Gravity : 1.1-1.2@ 20 degree C.
- Boiling Point: 230 degree F (110 degree C)
- Vapour pressure (mmHg.)25 degree F (-3.89 degree C): 23.756
- Vapour density (AIR=1) 25degree F (-3.89 degree C) :9996 pH:11.3