

NITCO TILES

Nano Terrazzo

SPECIFICATION

Providing, laying & polishing of precast Nitco Nano Terrazzo Tiles as per approved design, with bull nosing and antiskid grooves. Simultaneously hydraulically compressed & vibrated with the pressure of 2400 lbs/sq. inch using marble chips of approved color in top layer & pigment rating of minimum 7 on blue wool scale and which shall not exceed 5% of mass of cement used in mix.

Grinding, polishing and vitrification of Terrazzo floor using patented Planetary System.

Grinding of lippage with Metal Bond Diamonds TS0, TS1 & TS2 treatment hardening with Evershine Hardener.

Honing with CK/Jumper/Cyclon ORANGE Terrazzo series and finishing with Polish Palladiana. Vitrification process to be completed with KRISTALLUX.

TECHNICAL SUMMARY

1. **Water Porosity** : Less than 4%.
2. **Abrasion Resistance** : As per ISI specification.
3. **Transverse Strength** : Min.- 4.0N/mm²
4. **Compressive Strength** : 35 mpa
5. **Flexural Strength** : 6.0 mpa
6. **Mohs Hardness** : 5
7. **Standard Tile Sizes** : 150x150x20, 200x200x20, 250x250x22, 300x300x25, 400x400x30
8. **Tolerance** : Size- +/- 1.0mm Thickness- +/- 3mm
9. **Installation** : Cladding- Mechanically fix per engineering design.
Flooring – Using Bal Endura/ Laticrete/Silver/Gold Star.
10. **Co-efficient of Friction** : > 0.6
11. **Smoke Density** : - 250 smouldering & 300 Flaming

12. **Fire Reistance** : Class A1
13. **Suggested Grout Joints** : Butt jointed, with matching Nitco grout.
14. **Packaging** : Boxes
15. **Sealer:** Floor to be sealed using Evershine sealers of the following specifications:-

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

16. Quality Assurance:

- Installer Qualifications: A firm that has at least three years of experience with the installation of cement terrazzo tiles & has successfully completed 5 lac sft. in this period.
- Pre-installation meeting: Meet with tile manufacturer's representative and owner prior to preparation of substrate & tile installation, to review manufacturer's instructions and requirements.
- Sample flat to be installed accordingly & approved by tile manufacturer to ensure the tile is installed properly.