

**Specifications for Granamexx Series Heavy Duty Tiles of size (Sizes: 300 x 300 x 28 mm, 400 x 400 x 31mm, 500 x 500 x 32 mm) with Shotblasted finish and Premier Shield protection (Integral and top coat treatment)**

Supply of High Strength and high wear resistant Granamexx Series Heavy Duty Tiles with ground finish of 180 fineness with

- Granolithic wearing layer
- Colours specified by the architects, using UV resistant colour pigments from Lanxess.
- Premier Shield integral and topcoat treatment for satin finish, water and oil repellence, reduction of algae, moss and efflorescence formation.

<b>Sr.</b>	<b>Parameters</b>	<b>Minimum Requirements</b>
1.	Percentage Water Absorption	Not over 6%
2.	Wet transverse strength	Not less than 4.5N/mm <sup>2</sup>
3.	Average wear in Thickness- Abrasion	Average wear not more than 1.5mm
4.	Tolerance in Size (length + breadth)	± 1mm
5.	Thickness of wearing layer	Not less than 8mm
6.	Variation in Thickness of tiles	Variation not to exceed 3mm
7.	Flatness of tile surface	Concavity / convexity not to exceed 1mm
8.	Colours	UV Light resistant fast colours from Lanxess only to be used.

- The manufacturing company must be an ISO 9001:2015 certified Company or should have equivalent quality management systems in place to ensure quality product.
- The Tiles must meet the sustainability criteria and should be certified as a green product by CII.
- The Heavy Duty tiles must confirm to IS 1237:1980.
- The Tiles must be manufactured on automatic machines with mechanical vibration and rubberized moulds.
- The Tiles must be ground on Linear Grinding Machine.
- The Tiles will be made using wear resistant materials in the face mix as specified by the architects.
- The Tiles must be cured in a controlled environment to ensure efflorescence free material.

- The manufacturer must have in house testing laboratory to carry out all testing including Compressive strength testing, Water absorption, abrasion resistance etc.