



THE TATA PIGMENTS LTD
(An ISO 9001- 2015 certified company)
Sakchi Boulevard, Jamshedpur 831002

TECHNICAL DATA SHEET OF FLOORING COLOUR

Tata Floor Oxide is a highly concentrated dry powder of the finest grade and is ideally suited for use in cement floors. It is light and alkali fast, non-toxic and inflammable and produces attractive shades. A floor made of TATA FLOOR OXIDE can withstand repeated washing with water and can be polished with any floor polishing materials and be buffed. It has the following characteristics:

PARAMETERS	TECHNICAL SPECS
COLOUR	Red/Blue/Pink/Yellow/Black/Green
TOTAL IRON (AS Fe ₂ O ₃)	75-80%
MATTER SOLUBLE IN WATER	1.0%(max)
ACIDITY AS (H ₂ SO ₄)	0.15%(max)
RESIDUE ON SIEVE(OVER BS 240 MESH)	0.75%(max)
VOLATILE MATTER	0.50%(max)
BULK DENSITY(G/T)	1200-1300

SALIENT FEATURES

- Tata Floor Oxide is ideally suited for flooring and they have the best mobility with cement.
- Resistance to alkali and light fastness are excellent
- Tata Floor Oxide furnishes the floor with a bright, shiny and smooth surface.
- Tata Floor Oxide is non toxic and non inflammable
- Tata Floor Oxide exhibits permanent colour stability and resists fading.

USES

Tata Floor Oxide is highly apt for colouring of cement and mosaic floors, tiles, dadoes and plastic works colour wash.



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APPLICATION PROCEDURE

Complete and careful mixing of the Tata Floor Oxide flooring colours and cement is imperative for best results. Tata Floor Oxide should be mixed with grey or white cement in the proportion 1:4 or 1:5 (colour of cement), depending upon the desired depth of the colour- [Grey cement is recommended for deep shades and white cement for pastel shades].

Moreover, to eliminate the occurrence of patches and also to produce a smooth and uniform finish, the colorant and cement must be mixed in a dry state before adding water. The mixture has to be applied by trowelling. A 24 hour gap has to be maintained before curing is undertaken for setting.

PRECAUTION

- For better results, it is necessary to prepare a homogenous mixture of Tata Floor Oxide and Cement in a dry state before adding water.
- The chore of mixing and application must be done by an experienced mason.

The dry mixture should be prepared just before applying it.

- The wet floor surface must be protected from dust, direct sun light and damage of any other nature.
- Use of chalk powder with the dry mixture of colours and cement must be avoided as it dilutes the intensity of the colour
- Any contact between Tata Floor Oxide and acids or acidic materials must be prevented.
- Tata Floor Oxide may be used for interior and protected exterior surface only.
- Tata Floor Oxide is not recommended for exterior use because of its poor light stability.

POLISHING

Buffing and polishing should be undertaken after the floor has been allowed to dry for a week. More time will ensure a better hardening.

COVERAGE

3.5 – 4 Sq m/kg/mm



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NOTE:-

****Actual coverage may vary depending on the surface porosity, surface roughness, temperature and application technique.**

Mohua Chhababu

Dy Manager (R&D)