



DESCRIPTION

RI 200 is a polymer modified grey cement-based tile adhesive. It has slip resistant, water resistant & excellent workability properties. It is designed for internal area application of Ceramic and Clay Tiles. It is ready to use adhesive, which only requires clean water addition at site. This tile adhesive is ideal for the tiles having porosity above 3%. Application of the product can be done on Vitrified Tiles / Natural Stones of regular size in consultation of our technical team.

STANDARD COMPLIANCE/ SPECIFICATION

RI 200 is Non-Skid Adhesive complies to Type 1 'T' as per IS 15477: 2019, adhesives for use for Ceramic Tiles and Mosaic tiles. RI 200 adhesive confirms to class C1T as per EN 12004: 2017, where Cementitious (C) Normal Adhesive (1) Slip resistant (T).

CHARACTERISTICS

- C1 T compliant with EN 12004 standard - Prolonged workability
- Type 1 T as per IS 15477-2019 - Adjustable
- For Ceramic, Clay, Vitrified & Natural Stone. - Excellent workability
- No Vertical Slip - For Tiles up to 2X2 '
- Application up to 15mm (Mortar Thickness)

SCOPE OF USE

- RI 200 tile adhesive is certified as C1T (according to EN 12004), designed for ceramic tiles
- For Vitrified Tile size, up to 4 sq. ft. and Natural Stones of regular size

Indoor use:

- On horizontal and vertical surfaces.
- On Cement and Cement-lime plaster, Cement Screeds, Cement Ground Coats and Concrete.

SUBSTRATE PREPARATION

Adhesive can be applied on even and compact substrates, free of any substances that reduce adherence (grease, bitumen, oil, paint, dust etc.). Concrete should be at least 1 month old. Cement screeds and plasters should be fully cured. Anhydrite (residual moisture below 0.5%) substrates should be mechanically roughened and cleaned from dust. Aerated concrete should be free from dust. Substrates must not be wet. Any existing dirt, loose layers and paint coating shall be mechanically removed. Absorbent substrates shall be dampened and remove excess water before application.

APPLICATION

Pour RI-200 into a container filled with precisely measured amount of clean water and stir with a drill and mixer until a homogeneous mass without lumps is obtained. Leave for 5 minutes and then stir again. Apply the mortar with a suitable notched trowel preferably 6mm X 6mm. Use the proper sized notch trowel, to ensure full bedding in the tile. The back buttering method shall be used for larger tiles and for outdoor applications (ie. additionally, a thin layer of the mortar should be spread on the tile's back side, contact area > 90%). Place the tiles only during the open time of the adhesive. Fresh excess mortar can be removed with water, hardened material can only be removed mechanically. Expansion joints, joints at the corners of walls and floor and around sanitary equipment shall be filled with sealants or shall be treated with appropriate treatment. Grouting on the wall can be done after 24 hrs in porous tiles using RI-POLYMER grouts. Floors are set to light traffic after approx. 24 hrs.

PLEASE NOTE

- Applications should be carried out in dry conditions. All data refers to +23 C and R.H. 50%. In different conditions, it should be taken under consideration faster or slower material drying.
- Spread not more than the areas which can be tiled within the open time of the adhesive.
- For grouting, it is recommended to use RI-POLYMER Tile Grouts or RI-POXY epoxy grout. In the case of substrates exposed to increased chemical and mechanical aggression, use RI-POXY.
- In the case of laying tiles prone to colour changes, sample tests must be necessarily be carried out in order to check whether the mortar causes no fading / discoloration of the tiles.
- Hardening can be accelerated or delayed based on subject to local conditions

PRODUCT SAFETY

Product contains cement, strongly alkaline reaction with moisture, so protect skin and eyes. After contact wash immediately with plenty of water. After eye contact also seek medical advice. It is recommended to use protective gloves and goggles. For further and complete information about the safe use of our product, please refer to the latest version of our Material Safety Data Sheet.

GENERAL DATA

- Colour : Grey
- Pack size : 20 Kg. bag.
- Base : Mixture of cement with mineral fillers and modifiers.

TECHNICAL DATA

Bulk Density	1.5 – 1.9 g/ml
Mixing Proportion	20% - 30% by weight
Slip Resistance / Vertical Slip (T)	< 0.5 mm
Open Time	20 minutes
Pot Life	>30 minutes
Maximum Thickness	Up to 15mm
Application Temperature	From +5°C to +35°C
Grouting	After approx. 24 hrs
Adhesive Tensile strength (As Per EN Standard 12004):	
Initial dry condition (after 28 days)	> 0.5 N/mm ²

After water immersion	> 0.5 N/mm ²
After heat ageing	> 0.5 N/mm ²
After freeze/thaw cycles	> 0.5 N/mm ²

- Coverage : Consumption may vary depending on the evenness on the substrate, trowel notch size, type of tiles/stone and the application technique
- Approximate consumption : As a guide 1.2 kg / m² / mm of thickness
- Shelf life : Until 12 months since the date of production when stored in undamaged dry conditions and original packaging.

The product is compliant with the EN 12004 and IS 15477-2019 standard.

For more information or support or guidance, please consult our technical expert at:

RI-Bond Chem LLP

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Apart from the information given here it is also important to observe the relevant guidelines, regulations and common standards of various organizations and trade associations. The afore mentioned characteristics are based on practical experience and applied testing. Confirmed properties and possible uses which go beyond those listed in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23° C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions, hardening can be accelerated or delayed and that the product itself is subject to local conditions. The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part or unless there is a case of personal injury or death or a case of liability under the Product Liability Act.

This technical data sheet supersedes all previous editions relevant to this product. Please be aware that this Technical Data Sheet only relates to a product manufactured in the specific relevant production site.