

Ressi TA 210 Plus is a dry premix ready to use cement High Strength tile adhesive which can be used for standard tile bonding application for internal and external floor and wall tiling. **Ressi TA 210 Plus** is an ideal tile adhesive for installing mosaic, ceramic, porcelain, marble, granite, glass tiles and other general homogenous tiles on Cementitious plaster, screed, and concrete surfaces. **Ressi TA 210 Plus** can easily be applied using the application spectrum as defined by BS EN 5385-1.

ADVANTAGES

- ✓ High Strength
- ✓ Crack Resistant
- ✓ Better bonding
- ✓ Salt Free Mix
- ✓ Longer open time
- ✓ Nontoxic Material
- ✓ Excellent workability

SURFACE PREPARATION

All loose particles and oil shall be cleaned off the surface prior to the application. For hot climatic conditions, the surface may be dampened with potable water. Application on most type of cementitious surfaces like block work, concrete and rough plastered surfaces is possible. The surface should be sufficiently aged (At least 7 days for newly erected masonry surface and freshly plastered surface) before the installation of the tiling may begin. It is also recommended that expansion joints should not be tiled over, and suitable treatment should be done over them. Highly absorbent surfaces should be dampened before spreading **Ressi TA 210 Plus**. Defective and unsound surfaces should be repaired before the installation of the tiles. It is also important to ensure that there is no dust at the backs of the tile, otherwise it may cause hollow sounds and improper adhesion of the tiles to the substrate.

PRODUCT PREPARATION

It is important that water is premeasured in accordance with the amount of material used. The Mortar powder should be added over the water to avoid the settlement of the material at the bottom of the mixing container. The Mixing container should be uncontaminated, non-corrosive and clean. Only potable water should be used for mixing. It is also recommended that the material should be mechanically mixed with a mortar mixer or other mechanical mixing methods to obtain a consistent lump free mix.

APPLICATION

Buttering of the material onto the back of the tiles is usually not recommended as it this may cause poor adhesion. Spread the material evenly onto the surface using a suitable straight edge trowel and then notch immediately. To ensure good bonding, it is recommended not to spread the material more than 1m² at a time as the mortar may dry up resulting in poor adhesion and causing difficulties in application. After the application and levelling of the mortar, the tiles should be firmly knocked into the position. Adjustment of the tiles should be done at a maximum of 20 minutes after application.

TECHNICAL DATA

Product : **Ressi TA 210 Plus** - Tile Adhesive

a) Tests are conducted as per **EN 12004-2** (February 2017)

b) Sample have been drawn at Production department Ressichem Private Limited - Hub Plant.

Sample Date / Time = Oct, 28th, 2025 / 11.15 hrs

c) **TA 210 Plus (C1T)** - Ressichem Private Limited.

d) Batch# 251028 04.

e) Samples are stored at Sample Retention Room at $(23 \pm 2)^{\circ}\text{C}$ and $(50 \pm 5)\%$ Relative Humidity for 1 day.

f) Test Conditions $(23 \pm 2)^{\circ}\text{C}$ and $(50 \pm 5)\%$ Relative Humidity.

g) Test Date Oct, 29th, 2025.

h) Water % = 24% of dry powder by weight.

j) Test Results.

1) **Open Time : 20 min.**

20 min	Tiles	1	2	3	4	5	6	7	8	9	10	Mean
	Tensile Adhesion (N/mm2)	1.3	1.5	1.2	1.1	1.3	1.4	1.0	1.2	1.4	1.5	1.3
	Failure Pattern	AF-T	AF-T	AF-T	AF-T	AF-T	AF-T	AF-T	AF-T	AF-T	AF-T	-
1) Slip.												
	Tiles	1	2	3	Mean							
	Slip (mm)	0.2	0.1	0.2	0.2							
2) Initial Tensile Adhesion Strength.												
	Tiles	1	2	3	4	5	6	7	8	9	10	Mean
	Tensile Adhesion (N/mm2)	1.2	0.9	1.0	1.2	1.0	1.0	1.0	1.0	0.9	0.9	1.0
	Failure Pattern	AF-T	AF-T	AF-T	AF-T	AF-T	AF-T	AF-T	AF-T	AF-T	AF-T	-
3) Shear Adhesion Strength.												
N/A												
4) Transverse Deformation.												
N/A												

*Typical results under laboratory conditions

These results comply with BS EN 12004 Type C Class 1 T



SHELF LIFE

Expiration of **Ressi TA 210 Plus** is at 12 months after production date under dry and sheltered conditions.

HEALTH AND SAFETY

Ressi TA 210 Plus is regarded as non-hazardous for transportation. Do not reuse bags or containers and dispose them off as per local rules and regulations. Gloves and suitable masks can be worn during application. Please refer to the MSDS of the product for further health and safety information.

PACKAGING

Ressi TA 210 Plus is available in 20 KG Bags.



NOTE:

If printed bags are not available, neutral bags with label. Lot number and manufacturing date to be stamped at the back of each bag.