

UP 310



SUSTAINABLE TILING

ULTRAPLAST UP 310 is ready to use high quality polymer modified. It is convenient to use and it gives high tensile adhesion and bonding strength suitable for ceramic and vitrified tiles.

Specification: complies with IS 15477-2004, EN-1348.

Features & Benefits

- ❖ Excellent tensile adhesion.
- ❖ High sleep resistance.
- ❖ Saving in time and labour hence cost effective.
- ❖ Highly flexible and negligible shrinkage.
- ❖ Easy to spread uniformly.
- ❖ Cost effective.
- ❖ Protect tiles from cracking.
- ❖ Improved adjustability.
- ❖ High water retention which reduces the cracks.
- ❖ Subsequent applications like grouting can be started after 24 hours.

Areas of application: Suitable for vitrified and ceramic tiles on cementitious wall and floors.

Appearance: Grey granular powder.

Packaging: 40 Kg laminated bag.

Coverage: Coverage of approximate 100 square feet per bag of 25 kg for 3 mm thickness.

Water Demand: 3.5-4 Litter for a 25 Kg Bag.

Technical Data:

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|---|----------------------------|
| Compressive Strength @ 28 days | 6 – MPa |
| Pot life | 1 hour @ 27 ⁰ C |
| Water powder ratio | 14-17 % by weight |
| Bulk Density | 1450-1550Kg/cum |
| Slip resistance @ 20kg/Sq. m | <0.5 mm |
| Tensile adhesion dry condition @28 days | >750 N |
| Tensile adhesion wet condition @28 days | >450 N |
| Shear adhesion dry conditions 24 hours | 3.5-4.5 KN |
| Shear adhesion dry conditions | 10-10.5 KN |

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| @14 days | |
| Shear adhesion heat aging @ 28 days | 4.5 – 5.5 KN |
| Shear adhesion wet conditions 28 days | 4.5 – 5.5 KN |

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Guide for Application:

Substrate shall be made clean by removing oil, dirt, dust and laitance from the surface with the help of using wire brush, water jets, mopping, etc. Surface should be levelled by using suitable material and sprinkle water.

Mixing shall be done by pouring water in to the bucket and adding **UP310** gradually. Keep mixing till five minutes to get uniform lumps free matrix. Wait for three minutes to activate polymers, then remix for three minutes and apply. For best results mechanical stirrer is recommended.

Apply **UP310** using notched trowel on the area of the tiles being laid with minimum thickness of 3 mm. Lay tiles on to the adhesive applied, press firmly the tile on to the adhesive to ensure better initial bonding, and do not disturb tiles until the adhesive has set. For vertical applications, tiling should start from bottom. Use **UP310** within 30 minutes from the time of water added.

Precaution should be taken that avoid using extra water to extend pot life.

Shelf Life: Factory packed bags carries a shelf life of 12 months, if stored in cool & dry place. However, as temperature, humidity, water addition & other parameters vary from site to site; this information should be treated as a general guideline.

Safety: **UP310** is non-toxic and non-flammable. Use of suitable gloves and goggles are recommended. Any splashes to the skin or eyes should be washed off with clean water. In case of prolonged irritation, medical advice should be sought.

DISCLAIMER

Information provided on this data sheet is the guideline for usage. Users are advised to undertake a trial for product suitability prior to its full scale usage. There is no implied guaranty / warranty for the results and the company is not liable for any consequential damages.