

UP 210



SUSTAINABLE MASONRY

ULTRAPLAST UP 210 is a ready to use high quality polymer modified premixed thin bed block jointing mortar. It has high bond strength and durability at 2-3mm thickness than the conventional mortar at 10-12 mm, replacing the conventional cement and sand mix mortar completely.

Specification: complies with ASTM C 1660-09

Features & Benefits

- ❖ Excellent tensile adhesion strength.
- ❖ 2-3mm thin joints.
- ❖ Less shrinkage and water tight.
- ❖ No curing is required hence saving in labour and water.
- ❖ Ready for subsequent application within 24 hours.
- ❖ Saving in time and labour hence cost effective.
- ❖ Excellent workability & adhesion on various substrates.
- ❖ Raking of joints is not required.
- ❖ Smooth finish enables saving in succeeding applications.

Suitable Materials: AAC Blocks, Concrete hollow/solid Blocks, Fly ash bricks.

Appearance: Grey granular powder.

Packaging: 25 Kg laminated bag.

Coverage: Approximate coverage of 80-100 square feet per bag of 25 kg for 3 mm thickness.

Water Demand: 5-5.5 Liter for a 25 Kg Bag.

Technical Data:

Bulk density	1450-1550 Kg/cum
Water to powder ratio	20-22% by weight
Pot life	1 hour @ 27 ⁰ C
Usable time post application	24 hours
Tensile adhesion strength	0.6 to 0.7 Mpa @ 28 Days
Splitting tensile strength	0.6 to 0.7 Mpa @ 28 Days
Compressive strength	6-7 MPa

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Guide for Application:

Substrate shall be made clean, remove oil, dirt, dust and laitance from the surface using wire brush, water jets, mopping, etc. Wet the surface of Blocks, bricks, substrate before application.

Mixing shall be done by pouring water in to the bucket and add **UP210** gradually. Keep mixing till three 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 highly recommended.

Apply a thin layer of **UP 210** consistent thickness 2-3 mm on each side of block/brick. Use spirit level for alignment and fiber hammer to remove any air voids between the blocks. Do not disturb masonry till 24 hours. No curing required.

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: **UP110** 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.