

UP 410



SUSTAINABLE MASONRY

ULTRAPLAST UP 410 is a ready to use high quality polymer modified premixed mortar for clay bricks masonry. It has high bond strength and durability at 4-6mm thickness than the conventional mortar at 10-12 mm, replacing the conventional cement and sand mix mortar completely.

Features & Benefits

- ❖ Excellent tensile adhesion strength.
- ❖ 5-8mm thin joints hence 30-40% saving in material.
- ❖ Less shrinkage and water tight.
- ❖ Less curing required hence saving in labour and water.
- ❖ Saving in time and labour hence cost effective.
- ❖ Excellent workability & adhesion.
- ❖ Smooth finish enables saving in succeeding applications.

Suitable Materials : Clay Bricks.

Appearance: Grey granular powder.

Packaging: 40 Kg laminated bag.

Coverage: For 9"X4"X3" size single brick masonry, approximate coverage 8-10 square feet per bag of 40 kg depending on joint thickness.

Water Demand: 5-6 Liter for a 40 Kg Bag.

Technical Data:

Bulk density	1450-1550 Kg/cum
Water to powder ratio	13 to 16% by weight
Pot life	1 hour @ 27 ⁰ C
Usable time post application	24 hours
Tensile adhesion strength	0.5 to 0.6Mpa @ 28 Days
Splitting tensile strength	0.4 to 0.5Mpa @ 28 Days
Compressive strength	5-6MPa

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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. and wet. Soak the bricks in to the water for 10 minutes before application.

Mixing shall be done by pouring water in to the bucket and add **UP410** 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 highly recommended. Apply a layer of **UP 410** consistent thickness 4-6 mm on each side of block/brick. Maintain proper alignment and use fibber 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: **UP 410** 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.