

# MASOFIX **ULTRA**



### Masofix Ultra

High Polymer Modified, High Strength Cementitious, Tile/Stone Adhesive

#### DESCRIPTION

High polymer modified tile adhesive suitable for fixing medium format tile/stone in interior walls/floor and exterior floor situations up to 6 mm bed thickness (can be extended up to 12 mm in areas of limited extent). The set adhesive is water-resistant and is suitable for use in showers and totally immersed situations such as swimming pools. Available in Grey and White Colour.

Masofix Ultra is used for fixing mosaics, vitrified and fully vitrified tiles, terrazzo and natural stone and also for renovation (tile-over-tile) for quick & easy installation works.

**Note:** Not recommended for direct use onto gypsum plaster (wall finishes), paint or metal.

#### STANDARDS

Confirms to IS 15477: 2019 Type 2T "Adhesives for use with Ceramic, Mosaic and Stone Tiles".

Confirms to EN 12004:2017 and is a normal set cementitious adhesive (C1) with slip resistance (T) of class CIT

#### FEATURES

- High bond strength
- Tile on tile applications can be recommended
- Non slip adhesive
- No shrinkage
- Can be used higher bed thickness
- Easy to use- Creamy application
- Bonds to various substrates
- Self curing

#### SUITABLE BACKGROUND / BASES

##### New substrates:

Concrete walls & floor

Cement sand screed

Cement sand render

Renovation works on existing:

Unglazed tiles

Hard natural stones\*

Glazed tiles\* (vitrified and ceramic tiles)

Mosaic tiles\* and In-situ mosaic flooring\*

\*The surface should be abraded (roughened) and cleaned before installation.

#### PHYSICAL PROPERTIES @ 27 ± 2°C

Property Value

Bed Thickness up to 12 mm

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Pot Life	3 hours
Setting Time	24 hours
VOC Content	1.12 g/L

### PROPERTIES AS PER IS 15477: 2019 @ 27 ± 2°C

Property with Test Method	Min. Requirement	Typical Result
<b>Tensile Adhesion Strength (Initial)</b>		
Dry Condition	≥ 1.00 N/mm <sup>2</sup>	Meets the standard requirements
Wet Condition	≥ 1.00 N/mm <sup>2</sup>	Meets the standard requirements
<b>Shear Adhesion Strength</b>		
Dry Condition	≥ 1.25 N/mm <sup>2</sup>	Meets the standard requirements
Heat Aging Condition	≥ 1.00 N/mm <sup>2</sup>	Meets the standard requirements
Wet Condition	≥ 1.00 N/mm <sup>2</sup>	Meets the standard requirements
Open time	As per Mftr. Declaration	20 mins
Adjustment time	As per Mftr. Declaration	15 mins
Slip	< 0.50 mm	Meets the standard requirements

### PROPERTIES AS PER EN 12004: 2017 @ 23 ± 2°C

Property with Test Method	Min. Requirement	Typical Result
Tensile Adhesion Strength Initial	≥ 0.50 N/mm <sup>2</sup>	Meets the standard requirements
After water immersion	≥ 0.50 N/mm <sup>2</sup>	Meets the standard requirements
After heat aging	≥ 0.50 N/mm <sup>2</sup>	Meets the standard requirements
After freeze-thaw cycles	≥ 0.50 N/mm <sup>2</sup>	Meets the standard requirements
Open time @ 20 mins	≥ 0.50 N/mm <sup>2</sup>	Meets the standard requirements
Slip (T)	≤ 0.50 mm	0.30 mm

### Pack size

25 kg

### COVERAGE ESTIMATES

**Square notch Trowel size      Coverage for 25 kg bag**

6 mm x 6 mm      93 – 98 Sqft

### APPLICATION INSTRUCTIONS

#### Substrate Preparation

Before starting any work ensure that the base is:

Sufficiently flat to permit the specified flatness of finished tiling. Surfaces to be tiled must be dry, clean and free from loose material and contamination.

#### Surface considerations

##### New Concrete Bases:

Before commencing tiling, ensure that bases have been allowed to air dry for at least 4 weeks

# BAL ENDURA

Building Adhesives and Grouts

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## New Cement Sand rendering:

Before commencing tiling, allow plastered surface to air dry for at least 2 weeks.

## Existing Concrete/Screed Bases:

Cut out all loose or hollow portions and make good with a 1:3 cement:sand mortar applied over a slurry bonding coat\* and let it cure and dry for 7 days.

## Mixing

Add Masofix Adhesive to clean water. Mix thoroughly until a lump-free mortar is obtained. The adhesive is immediately ready-for-use and has a pot life of 3 hours. No further water should be added. Volume mixing can be carried out at site in the ratio of 1:3 (water: powder)

## Water Content

25 kg Bag: 5.5 to 6.25 ltrs

## APPLICATION

1. Spread not more than the area which can be tiled within the open time of the adhesive.
2. The mixed adhesive is applied to the prepared surface with a trowel and then combed through with a suitably sized notched trowel.
3. The tiles should be fixed within the open time of the adhesive and pressed into place with a twisting and sliding action ensuring solid bed fixing is achieved. The open time is dependent on site conditions and will be extended in lower temperatures and shortened at higher temperatures.
4. Check periodically that good contact is maintained with the back of each tile.
5. Touch the adhesive ribs periodically and if a skin has formed, remove the adhesive and apply a new layer.
6. Leave adequate joints between individual wall and floor tiles unless self-spacing tiles are used.
7. Clean off surplus adhesive from the tile face and between joints.

## Note:

- Do not use in damp conditions and temperature less than 5°C
- Seal the sides & bottom of porous stones with UNDERTILE & STONE PRIMER to avoid migration of moisture.
- Use suitable clamps along with adhesive at the time of installation of tiles/stones above 3m height as recommended by IS 15477: 2019
- For large span tiling works, leave movement joints at every 3m interval and fill with a flexible sealant as per BS 5385.
- Prevent foot traffic till the adhesive has completely set.

## GROUTING

Grouting should be carried out after 24 hours. Use the appropriate grouting material from the range of cementitious and epoxy grouts. EPOXY GROUT is strongly recommended for locations with requirement of hygiene & chemical resistance.

## CLEANING

Tools and containers may be cleaned using clean water when the adhesive is still fresh. The hardened adhesive can be removed from tools mechanically.

## STORAGE AND SHELF LIFE

Masofix has a shelf life of 12 months when stored in normal dry conditions.

## PRECAUTIONS

Keep out of reach of children. Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice. For more details please refer the relevant Material Safety Data Sheet.

## CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

## NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof

**ARDEX ENDURA (INDIA) PRIVATE LIMITED**

**An ISO 9001 : 2015 & ISO 14001 : 2015 certified company**

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