



S 15 C

Cement based adhesive for use by wet-on-wet method

DESCRIPTION

S 15 C is a polymer modified, high strength, grey cement based adhesive used in slurry consistency for fixing vitrified tiles, ceramic tiles and stable natural stones. It is not suitable for fixing moisture sensitive stones and for vertical applications.

AREAS OF APPLICATION

- Interior & Exterior floors
- Domestic and Commercial floors

BACKGROUND / BASES

- Fresh Sand / Cement Screed
- Fresh screed modified with 'screed concentrate' (refer A 3 TDS for details)

FEATURES

- Good bond strength
- Longer working time compared to cement slurry
- Economical: Suitable for tiling on fresh screed
- Suitable for fixing vitrified tiles, ceramic tiles and stable natural stones

PROPERTIES

S 15 C @ 27 ± 1°C

Adhesion Strength
EN 1348 1.1 N/mm²

Tested as per IS 15477

Water : powder ratio 8.5 to 9.0 litres : 26 kg powder

Bed Thickness Approx. 2 mm

Adjustability 15 - 20 minutes

Open time 20 - 25 minutes

Pot Life 1 hour

Setting Time 24 hours

Pull off adhesion test applied over A3 screed @ 28 days
ASTM D 4541

1: 5 screed > 1.0 N/mm²
1: 6 screed > 0.8 N/mm²
1: 8 screed > 0.5 N/mm²

COVERAGE ESTIMATES

Pack size Coverage
26 kg Approx. 3.0 kg/m²
@ 2mm thickness

APPLICATION INSTRUCTIONS

Surface Preparation

Before starting the work, ensure that the screed is sufficiently level to permit the specified flatness of finished tiling. Do not use on screed which has begun to set.

Mixing

Add the pre-measured mixing water in a clean container and then slowly add S 15 C. Mix thoroughly to ensure a smooth even consistency of the adhesive. The adhesive is immediately ready-for-use and has a pot-life of 1 hour.

Application

1. Spread not more than 1m² at a time, pour the adhesive on the fresh screed and spread to the required depth (between 1.5 - 2.0 mm) using a trowel.
2. Press the tiles/stones firmly into position, checking periodically that good contact is maintained with the back of each tile. Leave no voids behind tiles.
3. Tiles/stones should be fixed within 20 - 25 minutes of the adhesive being spread. Depending on the porosity of the surface and atmospheric conditions, tiles/stones can be adjusted up to 15 - 20 minutes after fixing.
4. Touch the adhesive periodically and if a skin has formed, remove the adhesive and apply a new layer.
5. Leave minimum 2mm joint between individual floor tiles/stones.
6. Clean off surplus adhesive from the tiles/stones face and between joints.

Grouting

Grouting should be carried out after 24 hours of tiling. Use the appropriate grouting material from the ARDEX ENDURA range of cementitious and epoxy grouts.

Note: The addition of Admix GT1 to cement based grouts will enhance adhesion to tile/stone edges, water resistance and flexibility.

STORAGE AND SHELF LIFE

S 15 C has a shelf life of 12 months if kept in a dry, clean store between 5°C and 30°C in the original unopened containers. The product should be protected from frost, away from direct sunlight and sources of heat.

PRECAUTIONS

Keep out of reach of children and 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.

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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.

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