



# S 15 C

## Cement Based Adhesive For Use By Wet-on-wet Method

### DESCRIPTION

S 15 C is a very economical, polymer modified cementitious adhesive designed for use in slurry consistency on fresh screed for wet-on-wet fixing of tiles & stones. The additional strength of S 15 C ensures a better bond of the tile/stone to the screed in comparison to the conventional cement slurry.

S 15 C is available in grey and white cement base 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

- Suitable for fixing vitrified tiles, ceramic tiles and stable natural stones
- Interior & Exterior floors
- Domestic and Commercial floors

### BACKGROUND/BASES

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

### FEATURES

- Free flowing slurry – no need for adhesive trowel
- Good bond strength
- Longer working time compared to cement slurry
- Economical

### PROPERTIES

S 15 C	@ 27 ± 1°C
Adhesion Strength EN 1348	1.1 N/mm <sup>2</sup>
Tested as per IS 15477 Water : powder ratio	6.5 – 7.0 litres : 20 kg powder
Bed Thickness	Approx. 2 mm
Adjustability	10-15 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/mm <sup>2</sup>
1: 6 screed	> 0.8 N/mm <sup>2</sup>
1: 8 screed	> 0.5 N/mm <sup>2</sup>

### COVERAGE ESTIMATES

Pack size	Coverage
20 kg	Approx. 2.50 kg/m <sup>2</sup> as slurry Coat @ 2mm WFT

### 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 with a slow speed mixer to ensure a smooth free flowing slurry consistency. The adhesive is immediately ready-for-use. Occasionally remix to ensure uniform consistency of the slurry.

#### Application

1. Pour the S 15 C slurry on the fresh screed and spread form a thickness between 1.5 - 2.0 mm. Spread not more than 1 sqm at a time.
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 10-15 minutes after fixing.
4. Touch the adhesive periodically and if a skin has formed, remove the adhesive and apply a new layer.
5. Provide sufficient gap between the individual floor tiles/stone to accommodate for any expansion/movement
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

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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.



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