

Proposal

Repairs of joint arrises in floor and wall joints due to differential settlement between adjacent slabs - internal use only.

1 Preparation

- 1.1 Using a chalk line, define a line parallel to the joint 50 mm either side of the defective area.
- 1.2 Make a saw cut 10 mm deep along the length of each chalk line. Break out the area between the saw cuts. The depth of the broken out area should be 15 mm at the face of the joint tapering to 10 mm at the saw cut.
- 1.3 Remove all surface debris, broken out areas should be blown clean with oil-free compressed air ensuring the substrate is sound and dust free.
- 1.4 Insert filler board into the joint, leaving enough gap for the sealant to ensure correct width to depth ratio.
- 1.5 Fix nails into the filler board, using a string line, locate the centre of the joint.

2 Priming

Repair are to be restricted to 1.2 -1.3m long strips.

- 2.1 On horizontal surfaces apply Nitoprime 25 primer and use Nitocote Primer Sealer for vertical substrates.
- 2.2 The 'hardener' and 'base' components of the primer shall be stirred separately, before mixing them together, to disperse any settlement.
- 2.3 The entire contents of the 'hardener' tin shall be poured into the 'base' tin, mixing for 3 minutes.
- 2.4 The mixed primer shall be scrubbed well into the prepared substrate. Ensure surface imperfections are coated and avoid 'ponding' in depressions.

If primer is absorbed within 30 minutes, a second coat must be applied before continuing.
- 2.5 Nitomortar S shall be placed as soon as the primer has started to gel but still has surface tack.

If the primer has cured hard, a second application must be made before the application of Nitomortar S.

3 Mixing

- 3.1 Nitomortar S must be mixed mechanically using a forced action mixer.
- 3.2 The 'hardener' and 'base' components of Nitomortar S shall be stirred separately before mixing them together, to disperse any settlement.
- 3.3 The entire contents of the 'hardener' tin shall be poured into the 'base' tin, mixing for 3 minutes until a uniform consistency has been obtained. Pour into the mixing vessel.
- 3.4 With the mixer in operation, slowly add the entire volume of aggregate and mix for 2-3 minutes. Continue mixing until a uniform consistency has been obtained.

4 Application

- 4.1 Apply the material immediately after mixing. Using a wooden float, press the mortar firmly on to the primed substrate, ensuring intimate contact with the primed surface is made.
- 4.2 Totally fill the area broken out to a level surface. Care should be taken not to alter the sting line. Allow 24 hours for the material to cure.

5 Reprofiling the joint

- 5.1 Using the string line for reference, mark the joint parameter and saw cut to the depth of the filler board.
- 5.2 Totally remove all repair material from the joint.

6 Sealing the joint

- 6.1 Apply a foam backing rod where required into the joint to the depth as required by the proposed joint sealant.
- 6.2 Prime the joint with the appropriate primer. (Refer to product data sheet)
- 6.3 Mix joint sealant and apply in accordance with details on the relevant technical data sheet.

Note

The above information is for application procedure guidelines only. All materials must be mixed and applied strictly in accordance with instructions given on the relevant technical data sheets.

Refer to Section for high temperature working.

For repairs to joint arrises located externally, refer to Fosroc local office for recommendations.