

Proposal

Repair and levelling of stair treads and nosings.

1 Preparation

- 1.1 Using a marker pen, draw a line around the perimeter of the defective area.
- 1.2 Break out the marked area to a minimum depth of 5mm and remove all segregated concrete. Continue breaking out until a sound homogeneous substrate has been reached.
- 1.3 Saw cut to a depth of 5 mm around the perimeter of the repair to avoid feather edges.
- 1.4 broken out areas should be blown clean with oil-free compressed air before the application of the repair mortar.

2 Priming

- 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 all 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 For vertical surfaces, the mortar can be applied up to 12mm deep in a single application without the use of formwork. For horizontal applications, the material can be applied up to 50mm deep.
- 4.3 When finishing Nitomortar S, apply a small amount of Fosroc Solvent 102 to a steel trowel. This will produce a dense surface.

5 Curing

- 5.1 Nitomortar S does not require the application of a curing membrane.

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.