# J10 Cementitious mortar tanking/ damp proofing

TO BE READ WITH PRELIMINARIES/ GENERAL CONDITIONS

## CEMENTITIOUS PLUG

### 125 FAST SETTING POLYMER COMPOUND

* Manufacturer: Newton Waterproofing Systems Ltd.

 Web: www.newtonwaterproofing.co.uk.

 Email: tech@newtonwaterproofing.co.uk.

 Tel: +44 (0)1732 360095

 Address: Newton House, 17-20 Sovereign Way, Tonbridge, Kent TN9 1RH.

* Product reference: Newton 313-WP WaterPlug
* Substrate: Concrete.
* Product code: 313-WP.
* Application: Trowel or filling knife.
* Coverage: 1kg = 0.46 litres

## MATERIALS AND MAKING OF MORTAR

### 350A MIXING

• Mix Newton 313-WP WaterPlug with clean water only.

• Add just enough water to form a putty consistency. Do not use more Newton 313-WP

 WaterPlug than can be placed in 2 minutes, whilst allowing for only a 30 second mixing period.

 Place with minimum working or rubbing. Force Newton 313-WP WaterPlug into the crack or hole

 by pushing firmly; using maximum pressure. Keep damp for at least 15 minutes to help curing.

• Newton 313-WP WaterPlug begins to set very quickly when the temperature is above 25°C.

 For best results make sure product and mixing water are below 25°C at time of application,

 otherwise set will begin immediately and structural strength will be weakened.

• To slow down the setting action during warmer conditions use iced water to the mix.

### 360A COLD WEATHER

 General: Do not use frozen materials or apply coatings to frozen or frost-bound substrates

## PREPARING SUBSTRATES

### 410A SUITABILITY OF SUBSTRATES

* • Generally the surfaces to be treated must be structurally stable, clean, dry and free from debris or loose substrate, salts,

 efflorescence, dust, grease and organic material.

• Surface Damage

 Identify and mark damaged areas due for removal.

 The edges of the area to be removed should be carefully saw cut, keeping the area as square as possible. Dovetail where possible.

 Removal of concrete must be at least 10mm - at no point should the repair be to an area of concrete that is less than 10mm in any dimension.

• Cracks

 Identify and mark damaged areas due for removal.

 The edges of the area to be removed should be carefully cut using a dovetail router with a minimum 10mm bit. Avoid feather edging.

 Removal of concrete must be at least 10mm - at no point should the repair be to an area of concrete that is less than 10mm in any dimension.

 If the crack can be seen to extend through the concrete, consult a structural engineer before proceeding further..

### 420A PREPARATION OF MORTAR JOINTS AND CAVITIES

* • To help key the material always dovetail cut do not use V-cut. Open the crack or hole by cutting to a minimum width and depth of 20mm. Brush away all cuttings and dust.

• Cut out defective mortar joints or cracks to a minimum width and depth of 20mm.

## EXECUTION

### 520A JOINTS/ JUNCTIONS AND PENETRATIONS

* Cut out defective mortar joints or cracks to a minimum width and depth of

 20mm with a dovetail router. Force Newton 313-WP WaterPlug into the routed channel and keep damp for at least 15 minutes.

### 550A CURING AND DRYING

• Newton 313 WaterPlug does not require curing