J10 CEMENTITIOUS MORTAR TANKING / DAMP PROOFING

 To be read with Preliminaries / General conditions.

 **TYPES OF TANKING / DAMP PROOFING**

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110A CEMENTITIOUS MODIFIED POLYMER RICH COATING

* Substrate : …………………
* Manufacturer : RIW Limited, Arc House, Terrace Road South, Binfield, RG42 4PZ.

 Tel : 01344 397777 Fax : 01344 862010

 E-mail : technical@riw.co.uk Web : [www.riw.co.uk](http://www.riw.co.uk)

- Product reference : RIW Cementflex

* Number of coats : Two

 *or : for floor coatings*

* Number of coats : One
* Thickness : 2mm overall
* Primer : Not required

*or : for horizontal surfaces*

* Primer : RIW Cementseal Primer
* Finish : …………………
* Other requirements : …………………
* Joint tape : Not required

*or*

* Joint Tape : As Clause 330.

 **MATERIALS AND MAKING OF MORTAR**

1. MOVEMENT JOINT SYSTEM

- Manufacturer : RIW Limited, Arc House, Terrace Road South, Binfield, RG42 4PZ.

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 - Product reference : RIW Cementjoint

 - Application : Embedded between two 1mm thick coats.

360 COLD WEATHER

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

 - Air temperature requirements : Do not apply coatings when at or below 5oC and falling, or below 3oC and rising.

 - Temperature of work : Maintain above 5oC until coatings have hardened.

 **PREPARING SUBSTRATES**

J30/410A SUITABILITY OF SUBSTRATES

 - Preparation generally : In accordance with RIW Limited’s recommendations.

 - Stability and soundness : Free from movement, and loose or weak areas that will cause failure of the tanking.

 - Key : To achieve firm adhesion of the tanking.

 - Contamination : Free from previous coatings and contaminants including laitance, dirt, dust, efflorescence, mould, oil, paint and plaster.

 - Cracks, porous patches and other defective areas subject to water pressure and liable to admit water : Control and seal using RIW Cementfill in accordance with RIW Limited’s recommendations.

J30/420A PREPARATION OF MORTAR JOINTS AND CAVITIES

 - Mortar joints : Rake out to a depth of 12mm minimum.

 - Debris : Remove and flush out with water.

 - Fill : Repoint with RIW Cementfill HB in accordance with RIW Limited’s recommendations.

 - Blow holes, cavities, cracks, etc : Remove loose material and fill flush using RIW Cementfill FC in accordance with RIW Limited’s recommendations.

430A TANKING INTEGRITY

- Penetrations for fixings, services, etc : Not permitted.

 **EXECUTION**

 J30/510A APPLICATION GENERALLY

* Application methods : Substrate surfaces are to be thoroughly soaked with clean water until uniformly saturated without standing water, prior to application.

J30/520 JOINTS / JUNCTIONS AND PENETRATIONS

* Abutments, joints and active cracks : Sealed and watertight.

- Movement joints : Centred over joints in substrate and continued through waterproof coating and finishes .

- Daywork joints in successive coatings : Staggered and lapped.

- Angled joints : Not permitted.

 - Penetrations : Watertight.

530 APPEARANCE OF TANKING

 - Render / Screed coatings : Even and consistent. Free from rippling, hollows, ridges, cracking and crazing.

 - Accuracy : A true plane, to correct line and level. Walls and reveals plumb and square with neat arrises.

 - Thin slurry coatings : Consistent and free from hollows, cracks and crazing. Suitable to receive specified finish.

550A CURING AND DRYING

 - General : Prevent premature setting, uneven drying and cracking of each coat.

 - Curing coatings : Prevent evaporation from surface by the use of RIW Cementseal Primer.

 - Curing Period : Normally overnight ; temperature dependent.

560 PROTECTION

 - Mechanical damage : Prevent impact and abrasion.

 - Application of protective coatings / linings : After completion of curing.