# M12 Resin flooring

### To be read with Preliminaries/ General conditions

### WORKMANSHIP SKILLS

* Operatives: Appropriately skilled and experienced for the type and quality of work.
* Registration: CSCS, CSSW, PCA
* Evidence: Operatives must produce evidence of skills/qualifications when requested

### MANUFACTURERS RECOMMENDATION/INSTRUCTION

* General: Comply with manufacturer’s printed recommendations and instructions current on the date of the Invitation to tender
* Changes to recommendations: Submit details
* Ancillary products and accessories: Use those supplied or recommended by Newton Waterproofing Systems Newton Specialist Basement Contractors

## TYPES OF FLOORING

### 110A RESIN FLOORING Newton 701-HB

* Substrate: Concrete or steel.
	+ Preparation: Required.
* Resin flooring system:
	+ Manufacturer: Newton Waterproofing Ltd.
	+ Primer reference: Newton 901-P, Newton 902-P.
	+ Resin flooring reference: 701-HB.
	+ Application: 0.25kg/m2.
	+ Colour: Graphite Grey (RAL 7015) & Carmine Red (RAL 3013)\*.
	+ Surface finish/ treatment: Fine aggregate applied at an appropriate rate if required.
* Flatness/ Surface regularity:
	+ Sudden irregularities: Not permitted.

## PREPARATION OF SUBSTRATES

### 220 SURFACE HARDNESS OF SUBSTRATES

* General: Substrates must restrain stresses that occur during setting and hardening of resin.
* Test for surface hardness: To BS EN 12504-2 using a rebound hammer.
* Test results: Submit.
* Areas of non compliance: Submit remedial proposals.

### 230A PREPARATION OF SUBSTRATES GENERALLY

* Newly laid concrete should be smooth and not a tamped down finish

Steel surfaces shall be shot blasted or grit blasted to a nominal Sa 2.5 Swedish standard. All dust and grease shall be removed prior to coating application

Ensure that the concrete is clean and free from dust, laitance, grease, oil, curing compound, existing paint finishes, etc. Blow holes and defective concrete shall be made good using a proprietary repair compound

* Suitable mechanical treatment, such as vacuum grit blasting, is the preferred treatment prior to application, as this ensures a mechanical “key” for the coating be made good using a proprietary repair compound.
* Concrete shall be a minimum of 25N/mm2 in strength and/or the residual moisture content shall be below 6%

### 240 EXISTING SUBSTRATES

* Preparation: Remove surface imperfections, ingrained contaminants, coatings and residues.
	+ Contaminated areas: Submit proposals for removal and repair.

### 250 EXISTING TILE/ SHEET FLOOR COVERINGS

* Preparation: Remove coverings, residual adhesive, bedding, grouting and pointing.

### 260A METAL SUBSTRATES

* Steel surfaces shall be shot blasted or grit blasted to a nominal Sa 2.5 Swedish standard. All dust and grease shall be removed prior to coating application
	+ Treated surfaces: Clean. Free from visible oil, grease and dirt, mill scale, rust, paint coatings and foreign matter.

## LAYING FLOORING

### 310A WORKMANSHIP

* Operatives:
	+ Trained/ Experienced in the application of resin floorings.
	+ Evidence of training/ experience: Submit on request.
* Fillers and incorporated aggregates: Thoroughly mix in to ensure wetting. Avoid over-vigorous mixing resulting in excessive air entrainment.
* Scattered aggregates: Broadcast onto wet surface of resin and back-roll for even dispersion.
	+ Appearance: Consistent.
* Curing: Allow appropriate periods between coats and before surface treatments and trafficking/ use.

### 350 COATED RESIN FLOORING

* Application: Even, of uniform thickness, surface finish and colour.