

M12 Specification

Suggested Sika M12 Specification for:

Our Reference:

Date:

SIKA LIMITED

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M12 RESIN FLOORING

To be read with preliminaries / general conditions and the Sika Limited project specific specification.

The details contained within this proposal are based on information available at the time of writing. It covers the installation of Sika Limited materials and the preparation work necessary to provide a suitable substrate. Sika Limited cannot be held responsible for unknown site conditions or for the performance of materials within the system other than Sika Limited products or Sika Limited branded products.

A detailed method of work statement and programme of works should be agreed with the Sika Limited Registered Contractor before the commencement of the works.

The requirements of all relevant British Standards and Industry Codes of Practice should be complied with at all times. A bibliography is available upon request.

TYPES OF FLOORING

110 RESIN FLOORING

- Substrate: Concrete /Cement Screed (for other substrates please contact Sika Limited)
- Preparation: Strictly in accordance with Manufacturers recommendation
- Resin flooring System: Sikafloor 20 PurCem
- Manufacturer: Sika Limited Web: www.sika.co.uk Tel: 01707 394444
- Primer: if required: Sikafloor 155W. Sikafloor 161.
- Priming : required depending on substrate quality and conditions.
- Build up: Sikafloor 155W/161 fully broadcast with quartz sand 0-4-0.7mm.
- Sikafloor 20 PurCem -6mm or 9mm for steam cleaning.
- Sikafloor 29 PurCem coving mortar.
- Sikafloor 31 seal coat (optional)

- Application: Resin Flooring trowel applied 6 -9 mm
- Colour: available in 9 approx RAL colours to be selected from the PurCem Colour Chart.
- Surface Finish/Treatment: As per manufacturer's recommendation
- Flatness/Surface Regularity:
- Sudden irregularities: Not permitted
- Classification of surface regularity to BS 8204-6: SR1
- Slip resistance: Pendulum test value to BS 7976-2 or in accordance with BS 8204-6, Annex B:

- SRV Dry- 70
- SRV Wet 65 (EN13036-4)
- Abrasion Resistance: class "special" severe abrasion resistance.....(BS 8204 PART 2)
- Taber Abrader H-22 Wheel/1000gr/1000 cycles: class A6.....(EN 13892-3)

120 RESIN FLOORING

- Substrate: Concrete/Cement Screed
 - Preparation: Strictly in accordance with Manufacturers recommendation
- Resin flooring system:
- Manufacturer: Sika Limited
- Multi component, resin rich, water dispersed, high strength, trowel grade, coloured polyurethane modified, cement and aggregate screed suitable for floors subject to heavy loading, abrasion and chemical exposure.
- Type: Polyurethane Resin
- Colour: To be selected by client from ComfortFloor Colour Card
- Surface finish/ treatment: Strictly as per manufacturer's recommendation
- Flatness/ Surface regularity:
- Sudden irregularities: Not permitted
- Classification of surface regularity to BS 8204-6: SR1

PREPARATION OF SUBSTRATES

210 TESTING MOISTURE CONTENT OF SUBSTRATES

- Drying aids: Remove minimum four days prior to test.
- Test: To BS 8203, Annex A using an accurately calibrated hygrometer.
- Location of readings: Corners, along edges, and at various points over the test area.
- Relative humidity before laying resin flooring (maximum):
Refer to individual primer data sheets if primers are required. Product can be applied primer less to SSD conditions if substrate quality allows.

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, minimum compressive strength of 25 N mm²
- Minimum pull of strength of 1.5 N mm²
- Test results: Submit.
- Areas of noncompliance: Submit remedial proposals.

230 PREPARATION OF SUBSTRATES GENERALLY

- Chases/ Saw cuts: Cut/ break out at skirtings, free edges, movement joints, etc. for termination of resin flooring.
- Blow holes, cavities, cracks, etc: Fill with repair product recommended by resin flooring manufacturer.
- Cleanliness: Remove surface contaminants, debris, dirt and dust.
- Surface texture: Suitable to accept resin flooring and achieve a full bond over the complete area.

240 EXISTING SUBSTRATES

- Preparation: Remove surface imperfections, ingrained contaminants, coatings and residues.
- Contaminated areas: Submit proposals for removal and repair.
- Retaining grooves to be cut into existing substrate to allow for expansion during curing please refer to specific product data sheet.

260 METAL SUBSTRATES

- Cleaning: Shot blast to BS EN ISO 8501-1, grade Sa2.5.
- Treated surfaces: Clean. Free from visible oil, grease and dirt, mill scale, rust, paint coatings and foreign matter.

LAYING FLOORING

310 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.
 - Appearance: Consistent.
- Curing: Allow appropriate periods between coats and before surface treatments and trafficking/ use.

320 CONTROL SAMPLES

- Approval of appearance: Obtain before proceeding.

350 COATED RESIN FLOORING

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

355 FLOW APPLIED COATED RESIN FLOORING

- Application: Even, of uniform thickness, surface finish and colour.
- Back roller (short pile) if required for homogenous finish.

380 SURFACE SEALER

- Application: If required... roller applied 1 x Sikafloor 31 PurCem.

400 BOND STRENGTH OF RESIN FLOORING

- Contact surfaces: Substrate and fully cured resin flooring.
- Bond: In accordance with manufacturer's performance data.
- Test: To BS 8204-6, clause 11.4 and BS EN 1542..> 1.5N mm²

410 RESIN SKIRTINGS/ UPSTANDS

- Seamless coving transition strictly in accordance with Manufacturers standard details.
- Sikafloor -29 PurCem / Sikafloor 31 PurCem seal coat.

420 FREE EDGES OF RESIN FLOORING

- Transition to abutting floor finishes: Straight and smooth.
- Retention of resin edges: