

NBS: Sphere8 BrecciaSphere System

FEATURES:

- Biopolymer Resin flooring, available in a wide range of colours and blends of colour
- Tailored for very high traffic areas
- The system components are designed to be used together to form a FeRFA (The Resin Flooring Association) Type 8, medium to heavy duty system
- Coatings are applied by trowel and roller
- Smooth finish and seamless surface
- Hypoallergenic, inert surface
- Very good UV stability
- Elastic comfort floor (shore hardness: D70)
- Point elastic surface
- Standard grade thickness 6mm for aggregate size < 3mm [varies for custom blends]

SUBSTRATE:

- Suitable sub-floors include dry concrete, sand/cement screed, anhydrite screed, levelling screed or well-bonded tiles (requires special preparation and primer) or Floating Dry Screed Boards (Knauf Brio, Hugo or FHB)
- The substrate must be load-bearing, sound, and free of loose material, dust, oils, grease, rubber marks and other substances with a separating effect
- The tensile strength of the surface must be 1.5 N/mm² on average; compressive strength must be a minimum of 25 N/mm²
- Residual moisture (CM Method): 4% (concrete), 2.5% (cement screed), 0.5% (anhydrite). Typical drying times for a new 60mm thick cement screed is 8 weeks, and for a new 60mm thick anhydrite screed is up to 12 weeks
- The substrate is to be prepared by suitable measures such as diamond grinding so that it meets the specified requirements
- Underfloor heating shall be commissioned at least 2 weeks before installation and the heating will have been cycled up and down at least 3 times to force dry the screed and identify any defects. Ensure the advice of the underfloor heating manufacturer and screed supplier is followed in relation to timing of initial switch on of the UFH
- Broken out and missing areas must be filled flush with the surface using suitable epoxy repair compound (specify in section C42). Do not use any form of hydraulic mortar
- Plywood subfloors have increased risk of modular board witness lines appearing in the finished floor over time, hence our recommendation for dry screed board solutions which largely eradicate this effect

BRECCIASPHERE BUILD-UP:

Initial coat:	Sphere8 Primer ST/STLV/RAPID	Refining:	Sanding/polishing operation
Number of coats:	Two	Number of coats:	Multiple passes, multiple grades
Base layer:	Sphere8 BrecciaSphere Screed	[Grout coat:	Sphere8 TopCoat XF]
Number of coats:	One	[Number of coats:	1-3 typical]
		[NB:	Pluck-outs will remain]
Thickness layer:	Sphere8 Body Coat ST/UV+	Finish coat:	Sphere8 Seal WB UV+ Clear
Number of coats:	One as a grout coat	Number of coats:	Two - Three
Sanding:	Sanding/grinding operation	Colour:	Clear
Number of coats:	Multiple passes, multiple grades		

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USAGE: Suitable for use in medium to heavy duty areas including residential and commercial spaces, requiring an exceptionally durable surface

AS STANDARD: System thickness to be 7mm nominal

GUIDANCE FOR SPHERE8 BRECCIASPHERE

OPTIONS:

System:

- Initial coat of Primer ST/ST LV/RAPID, base screed, grouting layer of Body Coat ST/UV+ with filler, followed by sanding, grouting and up to two seal coats of Seal WB UV+ Clear
- Can be laid over most substrates subject to modification of the system build up
- Anhydrite and flowing self-levelling screeds require pre-treatment before installation by grinding and impregnation with special primer
- Grinding to be undertaken by the screeding contractor
- Cracks require pre-treatment before overlaying to minimise veining in the finish
- Expansion joints must be brought through the floor surface
- Underfloor heating must be commissioned fully before installation (>3 times heat cycling)
- Sphere8 installation checklists must be followed – available from Sphere8 on request
- Motion – 2 colours are combined (most colour charts) to give a marbled finish
- Solid – a single colour by most colour charts
- Application time – 10 days
- Increased slip resistance (R10/R11) using Diamond Seal Grip sealer as an alternative second seal coat

APPROVALS:

- Resin Flooring Association: FeRFA Type 8
- British Standards Institution: BS 8204-6
- Slip resistance R9 (standard) /R10 /R11
- Impact toughness – Good
- Chemical Resistance – Good
- Thermal Insulation – (R) 0.03m²K/W (standard) – 0.09m²K/W (with underlay)
- EN 13501-1 Fire Classification B_{fl}-s1
- EN ISO 16000 - AgBB – Emission Free, suitable for indoor use
- Service life in pedestrian use – up to 30 years
- Sound Damping EN ISO 140 – 2dB (standard)

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