SPHERE 8
REDEFINING SPACE

www.sphere8.com

NBS: Sphere8 HealthSphere System

FEATURES:

- Biopolymer Resin flooring, available in an almost infinite range of colours and blends of colour
- The system components are designed to be used together to form a FeRFA (The Resin Flooring Association) Type 5 flow applied flooring systems, light to medium duty
- Coatings are applied by trowel and roller
- Smooth finish and seamless surface
- Biologically inert, bacteriostatic surface
- Certified emission free flooring (solvent, VOC, heavy metals) under AgBB test report
- Easy to clean
- Very good UV stability
- Elastic comfort floor (shore hardness: D45)
- Chemically resistant to alcohols, disinfectants and blood

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 un derfloor 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

USAGE: Suitable for use in light to medium duty areas such as operating theatres and emergency rooms, and other areas where a tough, smooth finish is desired

HEALTHSPHERE BUILD-UP:

Initial coat:	Sphere8 Primer ST/STLV/RAPID
Number of coats:	Two
Thickness layer:	Sphere8 Body Coat ST/UV+
Number of coats:	One
Colour:	Motion [select from Sphere8 Collection/Bespoke choice]
	Solid [by RAL or most colours on demands]
Finish coat:	Sphere8 Seal WB UV+ Clear
Number of coats:	One - Two
Colour:	Clear

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AS STANDARD: System thickness to be 4mm nominal

GUIDANCE FOR SPHERE8 HEALTHSPHERE

OPTIONS:

System:

- Initial coat of Primer ST/STLV/RAPID, thickness layer of Body Coat ST/UV+ and up to two finishing coats of Seal WB UV+ Clear
- Can be laid over most substrates subject to modification of the system build up
- For suspended floors where use of dry screed boards is not possible, wooden (ply) subfloors require fibreglass base layer to minimise visibility of modular board lines
- Anhydrite and flowing self-levelling screeds require pre-treatment before installation by grinding and impregnation
- 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 (RAL or any cololur chart) to give a marbled finish
- Solid – a single colour by RAL or any colour chart
- Application time – 4 days
- Increased slip resistance (R10/R11) using Diamond Seal Grip sealer as an alternative second seal coat

APPROVALS:

- Resin Flooring Association: FeRFA Type 5
- 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 25 years
- Elasticity 200%
- Sound Damping EN ISO 140 – 5dB (standard) – 20dB (acoustic variant)

CONTACT:

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