SPHERE 8
REDEFINING SPACE

www.sphere8.com

NBS: Sphere8 EconoSphere System

FEATURES:

- Biopolymer resin flooring, available in a limited range of colours
- The system components are designed to be used together to form a FeRFA (The Resin Flooring Association) Type 5 flow applied flooring system, light to medium duty
- Coatings are applied by trowel and roller
- Smooth finish and seamless surface
- Certified emission free flooring (solvent, VOC, heavy metals) under AgBB test report
- Good UV stability
- Elastic comfort floor (shore hardness: D60)

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 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.

USAGE: Suitable for use in areas of light to medium traffic, such as residential retail and commercial environments, EconoSphere is our multi-purpose floor created for most environments where economy is sought alongside a beautiful surface.

ECONOSPHERE BUILD-UP:(typical)

Initial coat:	Sphere8 Primer ST/ST LV/RAPID
Number of coats:	One
Thickness layer:	Sphere8 Base Coat D60
Number of coats:	One
Colour:	Solid [most colours on demand]
Finish coat:	Sphere8 Sealcoat UV + Colour WB
Number of coats:	Two
Colour:	[Most colours available on demand]

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AS STANDARD: System thickness to be 2-3mm nominal

GUIDANCE FOR SPHERE8 ECONOSPHERE

OPTIONS:

System:

- Initial coat of Primer ST/ST LV/RAPID, thickness layer of Base Coat D60 and two finishing coats of Seal WB Coloured
- 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
- Solid – a single colour by most colour charts
- Application time – 3 days
- Increased slip resistance (R10/R11) using alternative sealers as additional seal coats is possible

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 120%
- Sound Damping EN ISO 140 – 4dB (standard) – 17dB (acoustic variant)

CONTACT:

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