

ECLIPSE

TECHNICAL DATA SHEET



“Innovative Access Flooring, *Sustainable Solutions*”

ECLIPSE

TECHNICAL DATA SHEET

ECLIPSE SYSTEM DETAILS

RECOMMENDED APPLICATIONS



GENERAL
OFFICE



LEARNING
INSTITUTIONS



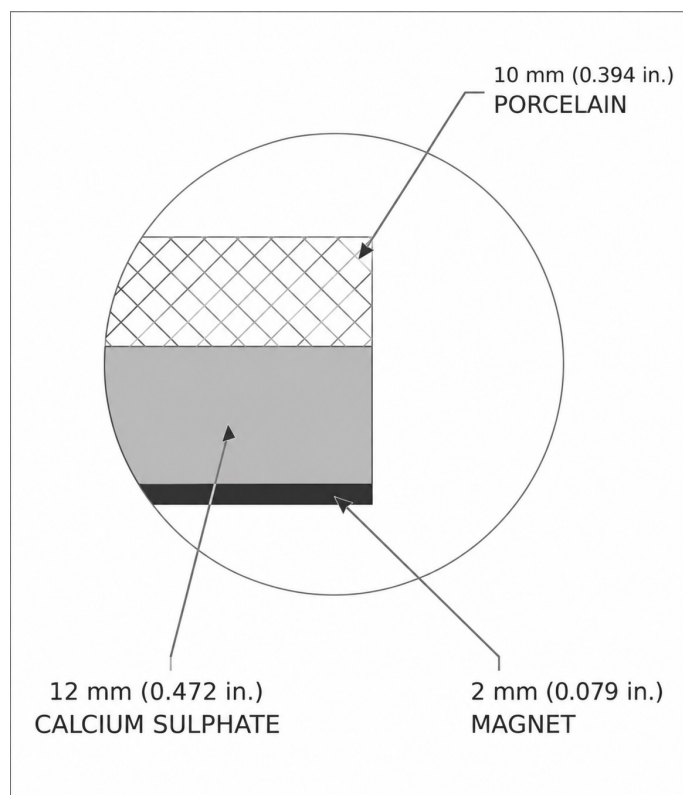
LIBRARIES

SYSTEM DETAILS

SYSTEM NAME:	Eclipse Porcelain
DESCRIPTION:	Eclipse® is an innovative floating porcelain flooring system that combines a premium architectural finish with full access to underfloor services. Installed directly over steel encased access floor panels, it eliminates the need for additional substrates or fixings.

ECLIPSE PANEL DETAILS

SIZE:	23.62in x 23.63in
DEPTH:	0.94in
CONSTRUCTION:	The Eclipse panel consists of a calcium sulphate core with a porcelain top layer and magnetic backing which magnetizes to steel encased access floor panels.
CORE:	Calcium Sulphate
FINISH:	Porcelain.
CONNECTION:	The panel magnetizes to a steel encased access floor panel.



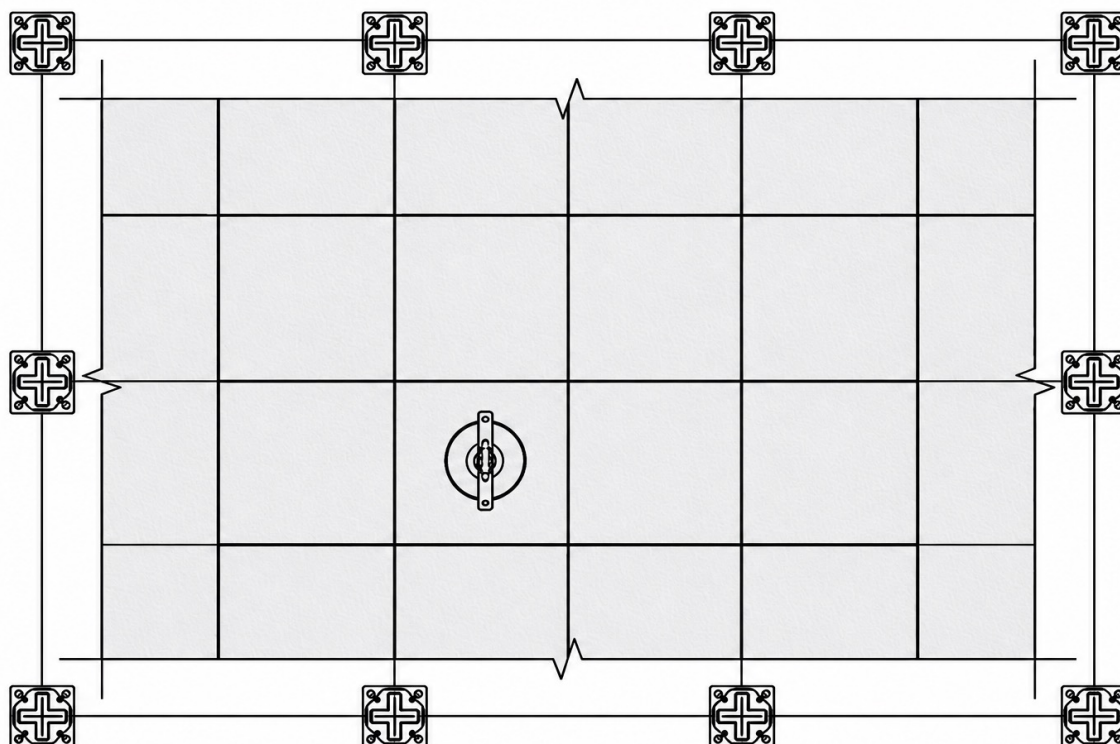
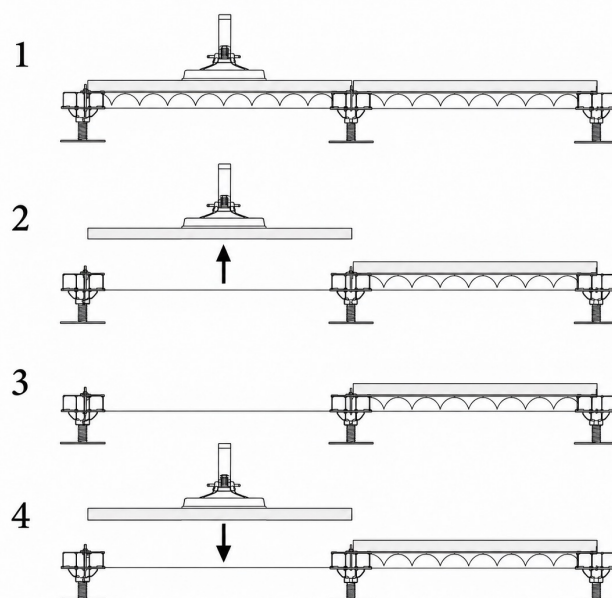
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ECLIPSE SYSTEM DETAILS

LIFTING OF ECLIPSE PANELS

- STEP ONE:** Secure and ASP-approved panel lifter to the panel being removed. Ensure the surface is clean and dry and confirm a firm grip.
- STEP TWO:** Lift the panel straight up, keeping it level as the magnetic connection releases. Do not tilt, pivot or level the panel.
- STEP THREE:** Remove only the panels needed for access. Each panel can be lifted individually; adjacent panels can remain in place.
- STEP FOUR:** To reinstate, align the panel above its original position and lower it vertically, keeping it level. Check that it sits evenly with consistent joints.



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ECLIPSE COLOUR HUB

PORCELAIN COLOUR HUB



*Colours are subject to availability and minimum order quantities may apply.

ECLIPSE SPECIFICATIONS AND TESTING

ECLIPSE PERFORMANCE RESULTS

Tested to ISO 13006:2018 Annex G, Table G.1 – Ceramic tiles

TEST TYPE	REQUIREMENTS	RESULT	
LENGTH AND WIDTH	ISO 10545-2 $\pm 0.3\% \mid \pm 0.039''$	-0.01% ~ 0 -0.004" ~ 0	PASS
THICKNESS	ISO 10545-2 $\pm 5\% \mid \pm 0.020''$	+0.7% ~ +1.6% +0.004" ~ +0.008"	PASS
STRAIGHTNESS OF SIDES	ISO 10545-2 $\pm 0.3\% \mid \pm 0.031''$	-0.02% ~ +0.02% -0.004" ~ +0.004"	PASS
RECTANGULARITY	ISO 10545-2 $\pm 0.3\% \mid \pm 0.059''$	-0.03% ~ +0.02% -0.008" ~ +0.004"	PASS
SURFACE FLATNESS – CENTER CURVATURE	ISO 10545-2 $\pm 0.4\% \mid \pm 0.071''$	+0.02% ~ +0.03% +0.004" ~ +0.012"	PASS
SURFACE FLATNESS – EDGE CURVATURE	ISO 10545-2 $\pm 0.4\% \mid \pm 0.071''$	+0.01% ~ +0.05%	PASS
SURFACE FLATNESS – WARPAGE	ISO 10545-2 $\pm 0.4\% \mid \pm 0.071''$	+0.01% ~ +0.02% +0.004" ~ +0.008"	PASS
WATER ABSORPTION	ISO 10545-2 Eb <0.5% Individual max. 0.6%	0.25% (0.22% ~ 0.27%)	PASS
BREAKING STRENGTH	ISO 10545-4 >1300N	1885N	PASS
MODULUS OF RUPTURE	ISO 10545-4 Min. 35 N/mm ² Individual min. 32 N/mm ²	37.2 N/mm ²	PASS
ABRASION RESISTANCE	ISO 10545-7 Report abrasion class	Class 3 (750 cycles)	

ECLIPSE SPECIFICATIONS AND TESTING

ECLIPSE CHEMICAL & SAFETY

Tested to ISO 13006:2018 Annex G, GB 6566-2010 and DIN 51130:2014

TEST TYPE	REQUIREMENTS	RESULT	
RESISTANCE TO STAINING	ISO 10545-14 Min. Class 3 Green and red staining agents in light oil, iodine, olive oil	Class 5	PASS
HOUSEHOLD CHEMICALS AND POOL SALTS	ISO 10545-13 Min. Class B Ammonium chloride 100g/L, sodium hypochlorite 20mg/L	Class A	PASS
LOW CONCENTRATION ACIDS AND ALKALIS	ISO 10545-13 Manufacturer to state Hydrochloric acid 3%, citric acid 100g/L, potassium hydroxide 30g/L	LA	
HIGH CONCENTRATION ACIDS AND ALKALIS	ISO 10545-13 Test method available Hydrochloric acid 18%, lactic acid 5%, potassium hydroxide 100g/L	HA	
RADIOACTIVITY	GB 6566-2010 Class A decorative materials $IRa \leq 1.0$ $I\gamma \leq 1.3$	IRa 0.4 I γ 0.7	PASS
SLIP RATING	PER DIN 51130:2014	Classification: R10 (ages 13.0°)	

ECLIPSE CLEANING & MAINTENANCE

ROUTINE CLEANING

- ✓ Vacuum regularly to remove dust, grit and loose debris, particularly around panel joints.
- ✓ Clean using a microfibre mop lightly dampened with warm water.
- ✓ Use a flat microfibre mop for smooth finishes and a microfibre string mop for textured finishes.
- ✓ Where required, use a neutral pH cleaner suitable for porcelain.
- ✓ Dry the surface with a clean, dry mop after cleaning.

MOISTURE AND CLEANING PRODUCTS

Clean spills promptly. Do not flood the floor or allow water to collect in panel joints, as moisture may reach the calcium sulphate substrate and magnetic backing.

Avoid acidic, alkaline or abrasive cleaners, products containing crystallising salts, and abrasive cleaning pads.

PANEL INSPECTION AND UNDERFLOOR ACCESS

Periodically check for damaged panels, uneven joints or rocking. Report any defects to ASP Access Floors for assessment.

Use approved panel lifters and follow the Eclipse removal and reinstatement procedure when accessing underfloor services. Ensure the receiving steel surface and magnetic backing are clean and dry before replacing panels.

FLOOR PROTECTION

Always use suitable floor protection when moving rolling loads across Eclipse flooring. Provide load-spreading protection where required and keep loads within the approved limits of the complete flooring system.

Protect the porcelain surface from impact and scratching. Fit suitable protective pads beneath furniture legs and avoid dragging furniture or equipment across the floor.





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