

GYPSOL

**HIGH QUALITY SCREED
PERFORMANCE AND
FUNCTIONALITY**



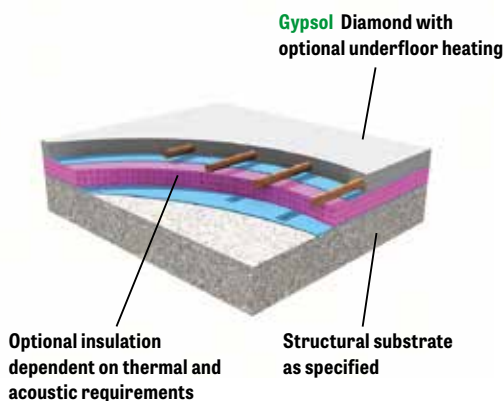
DIAMOND DATASHEET

DESCRIPTION

Gypsol Diamond is a unique and innovative "micro concrete". **Gypsol** Diamond incorporates specially selected fine aggregates and high quality anhydrite binder to replace more traditional Portland cement. It has been designed in response to the specific requirements of Midland Flooring Ltd for use in their exclusive Micro Polish anhydrite floor system.

This system offers the performance and functionality of a high quality **Gypsol** product, whilst offering the beauty and durability of a polished concrete style floor. **Gypsol** Diamond is perfectly suited to the encapsulation of underfloor heating systems. And as no subsequent floor coverings are required, the time from installation to finished floor is significantly reduced compared to more traditional flooring systems. **Gypsol** Diamond also offers optimal thermal performance and response leading to maximum energy efficiency when compared with other systems in the market place. For more information or a NBS specification please contact our technical and specifications team on **01928 574574**. It is not suitable for use in permanently wet environments.

TYPICAL SCHEMATIC



PHYSICAL DATA

Appearance	when fresh	Off white fluid mortar
	when polished	Silk to semi gloss finish
Density	Wet	2200kg/m ³
	Dry	2000kg/m ³
Strength (28 days)	Min	C25-F4
	Typical	C35-F6
Required flow (EN 13454-2)		230mm to 270mm
Reaction to fire		Class A1fl non combustible

PERFORMANCE DATA

Working Time	Up to 3 hours from batching
Foot Traffic	24 to 48 hours
Loading	5 to 7 days
Force Drying	after 7 days

Polishing can generally commence after 28 days, subject to the floor being suitably dry

ENVIRONMENTAL DATA

Recycled Content	Binder	98%
	Mortar	up to 40%
Carbon Emissions	Binder	10 to 30kg/tonne
	Mortar	30 to 50kg/m ³
VOC	Virtually zero	
Recyclability	100%	



TYPICAL SURFACE PERFORMANCE (WHEN POLISHED)

Slip Resistance	Wet	37
	Dry	58
Abrasion Resistance ^[1]	AR1	(Suitable for light commercial and heavy foot traffic)
Gloss Value	65GU minimum	

Stain resilient surface subject to suitable maintenance

^[1] Independently tested by GT Certification Ltd (UKAS 2478)

Typical surface performance data is owned by and reproduced by kind permission of Midland Flooring Ltd and certification is available on request. It refers to the finished screed after hardening and polishing in accordance with Midland Flooring Ltd specification.



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