

Gypsol Modular

Gypsol Modular is suitable for use in both residential and commercial properties, including apartments, schools, prison units, hospitals and single dwellings where light weight and durable modular floors are required.

About Gypsol Modular

Gypsol Modular screed is suitable for the encapsulation of an underfloor heating system, either electric or warm water. Gypsol Modular screed provides a concrete feel to a timber or light weight steel floor. Gypsol Modular can be used for both on and offsite construction processes and can be placed over light weight steel decking or on to timber. Offsite screeded modular units may be lifted using suitable lifting equipment after just 72 hours.

Physical data

Appearance	Off white fluid mortar
Density (kg/m ³)	Wet - 2200 Dry - 2000
Minimum strength	C30- F6
Required flow (EN 13454-2)	230-270mm
Reaction to fire	Class A1 _{fl} Non-Combustible

Performance data

Working time	Place and finish within 3 hours of batching
Foot traffic	24-48 hours
Loading	5-7 days
Drying (50mm depth) ^[1]	At 20°C and 60% RH - 28 days Active force drying - 13 days
Force drying	Can be force dried after 7 days

Drying times vary dependent on screed depth, ambient conditions and suitability of the building envelope.

^[1] Independently tested and verified by Action Dry Ltd. Full report available upon request.

Minimum depth requirements

Bonded	25mm ^[2]
Unbonded	30mm
Floating	35mm domestic 40mm commercial
Acoustic	80kg/m ² @ 40mm
Cover to conduits	25mm

^[2] Prepare the substrate in accordance with BS8204:7:2003 using a gritted two coat epoxy resin DPM or similar.

Bay sizes and joint requirements

Heated

Maximum length	20m
Maximum aspect ratio	6:1
Maximum bay size	300m ²

Movement joints should be placed at door thresholds, between independently controlled heating zones and where heated and unheated screeds meet.

Unheated

Maximum bay length	40m
Maximum aspect ratio	8:1
Maximum bay size	1000m ²

Environmental data

Typical embodied CO ²	35kg/m ³
Recyclability	100%
VOC	Virtually zero

LKAB Minerals Ltd are not screed manufacturers. The chemical and physical data are expected average figures and are given in good faith but without guarantee. The only warranty LKAB Minerals makes is the express written warranty extended on the sale of its products. For manufacturer specific data please contact your Gypsol screed supplier. Gypsol screeds should be installed in accordance with BS 8204-7:2003 by suitably trained and experienced installers. Gypsol Modular Data Sheet, 08-01 EN, 22-03