Product data

Gypsol Modular

Gypsol Modular is suitable for on and off site modular construction including both residential and commercial properties where light weight and durable floors are required.

About Gypsol Modular

Gypsol Binder is an integral component of Gypsol Modular a screed which 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 with or without and underfloor heating system. Offsite screeded modular units may be lifted using suitable lifting equipment after just 72 hours. Gypsol Modular is suitable to receive all types of floor coverings.

Physical data

Appearance	Off white fluid mortar
Density (kg/m^3)	Wet – 2200 Dry - 2000
Minimum strength	C30-F6 Minimum Binder Content 800kg/m^3
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	7 days
Drying (50mm depth) [1]	At 20°C and 60% RH - 28 days
Force drying	Can be force dried after 7 days

Please refer to our post installation guidance document for further details

[1] Independently tested and verified. Drying times vary, depending on screed depth, ambient conditions and suitability of the building envelope.

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

Environmental data

Typical embodied CO_2	7.5-8.5kg/m^2
Thermal conductivity	Up to 2.3w/mK

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, 08-03 EN, 26-11

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