Product data

Gypsol HTC ZL

Gypsol HTC ZL is specifically formulated for use with underfloor heating and cooling systems. It suitable for both warm water and electric underfloor heating.

About Gypsol HTC ZL

Gypsol Binder is an integral component of Gypsol HTC ZL, a screed specially formulated to allow thinner depths than other Gypsol screeds, allowing just 20mm cover to heating conduits. Gypsol HTC ZL is designed to offer high thermal performance in conjunction with underfloor heating and cooling systems. Gypsol HTC ZL is suitable for all types of floor covering including traditional tiles, carpets, vinyl and wood floors. Gypsol HTC ZL has all the benefits of our latest ZL technology.

Physical data

Appearance	Off white fluid mortar
Density (kg/m^3)	Wet - 2200 Dry - 2000
Required strength	C25 - F4 Minimum binder content 800kg/m^3
Required flow ZL (EN 13454-2)	250mm +/- 10mm
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 Active force drying - 13 days
Force drying	Can be force dried after 7 days

[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	15mm

[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.

Environmental data

Typical embodied CO_2	6.0-7.5kg/m^2
Thermal conductivity	Up to 2.5w/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 HTC Data Sheet, 08-02 EN, 26-11