

# Gypsol XS

*A heavy duty Gypsol screed*



Gypsol XS self compacting flowing screed is made to exacting standards by quality assured manufacturers to BS EN 13813:2002. It is a combination of high quality Gypsol binder, specially selected sands, water and special additives where required. It is an enhanced strength mix, which offers a minimum CA-C30-F6. Gypsol XS is suitable for the encapsulation of underfloor heating systems, either electric or warm water.

Gypsol XS is suitable for use in both residential and commercial properties, including apartments, schools, prisons, hospitals and single dwellings where higher loadings and more durable screeded floors are required. In common with all Gypsol screeds, Gypsol XS screed also improves the environmental characteristics of the floor. For project specific advice on design and for a Model NBS Specification Template contact our technical and specifications team on 0800 6226023.



## Health and safety data

**Gypsol XS** screeds are delivered to site ready to use via offsite mixing plants removing the need for labour intensive site mixing and associated mixing equipment.

**Gypsol XS** screeds are pumped directly to where they are needed removing much of the manual handling operations required to install other screeds.

**Gypsol XS** screeds are generally pumped using equipment with closed or gridded dispensing hoppers removing risk of contact with moving machinery.

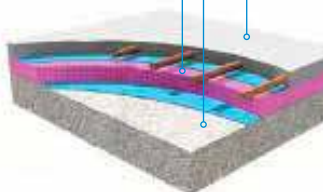
**Gypsol XS** screeds are finished using a lightweight dappling bar requiring no secondary compaction thus removing most of the physical work needed to lay other screeds. This significantly reduces the negative impact on the musculo-skeletal system of installing contractors. For material safety information please see the relevant health and safety data sheets.

## Typical application schematic

Optional insulation dependent on thermal and acoustic requirements

Gypsol XS screed with optional underfloor heating

Structural substrate as specified



## Physical data

|                            |  |                       |
|----------------------------|--|-----------------------|
| Appearance                 | Off white fluid mortar                 |                       |
| Density                    | Wet                                    | 2200kg/m <sup>3</sup> |
|                            | Dry                                    | 2000kg/m <sup>3</sup> |
| Minimum Strength           | C30-F6                                 |                       |
| Required Flow (EN 13454-2) | 230mm to 270mm                         |                       |
| Reaction to Fire           | Class A1 <sub>fl</sub> non combustible |                       |

## Performance data

|                     |  |  |
|---------------------|--|--|
| Working time        | Place and finish within 3 hours of batching  |  |
| Foot traffic        | 24 to 48 hours   |  |
| Loading             | 5 to 7 days  |  |
| Drying (50mm depth) | At 20°C and 60% RH - 28 days <sup>[1]</sup><br>Active force drying - 13 days <sup>[1]</sup>  |  |
|                     | Drying times vary dependent on screed depth, ambient conditions and suitability of the building envelope.<br><sup>[1]</sup> Independently tested and verified by Action Dry Ltd. Full report available on request. |  |
| Force drying        | Can be force dried after 7 days  |  |

## Environmental data

|                  |                |                           |
|------------------|----------------|---------------------------|
| Recycled content | Binder         | 98%                       |
|                  | Mortar         | Up to 40%                 |
| Carbon emissions | Binder         | 10 to 30kg/tonne          |
|                  | Mortar         | 30 to 50kg/m <sup>3</sup> |
| VOC              | Virtually zero |                           |
| Recyclability    | 100%           |                           |

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