

# Gypsol TS-20

*High quality thin screed for bonded and unbonded applications*



Gypsol TS-20 screed is a revolutionary new anhydrite screed material. It is specially formulated to offer a strong and durable thin topping to a solid interior substrate, for example, in situ concrete or beam and block or precast concrete plank. Tested to BS 8204:1:2003 it meets the requirements for class A for impact resistance. Due to its thin depth, just 20mm minimum, TS-20 can be dried quickly allowing rapid return to service and application of finished floor coverings.

Gypsol TS-20 is perfectly suited to flooring applications where height is extremely restricted and offers a lightweight cost effective alternative to smoothing compounds. It can be installed extremely quickly to at least 2000m<sup>2</sup> per day. This represents a significant saving in time when compared to bagged, site mixed smoothing compounds and levelling screeds.

Gypsol TS-20 screed is designed to be laid to a minimum of 20mm depth and can be used either bonded directly to a solid substrate prepared in accordance with BS 8204:7:2003 or un-bonded on a polythene membrane.



For project specific advice on design and for a model specification, contact our technical and specifications team on 0800 6226023

Some typical applications include:

- Refurbishment of old uneven floors
- Remediation or correction for out of level concrete slabs
- As a levelling screed over floors where floor to ceiling height is very restricted
- Sub floor levelling in preparation to receive finished floor coverings
- Overlay for poorly levelled screeds
- As an alternative to light weight screeds

### Case study - Print room refurbishment

Label Craft is a manufacturer of self-adhesive labels in Dublin, Ireland, and Gypsol's thin TS-20 screed was chosen to provide the solution to their print room floor refurbishment. Due to the replacement of steel floor cassettes, and a restructure of their print press area, the client needed a solution to the resulting change of floor levels in their print room. Unless they are level the business's printing machines simply won't work.

Gypsol TS-20 screed was applied and provided a flat, level and very thin layer to the existing uneven surface. Due to the physical strengths and drying rates of Gypsol's TS-20 screed, along with the very fast un-bonded installation, the client was able to minimise production delays and re-mount their 6 tonne press onto the freshly screeded floor after just two weeks.



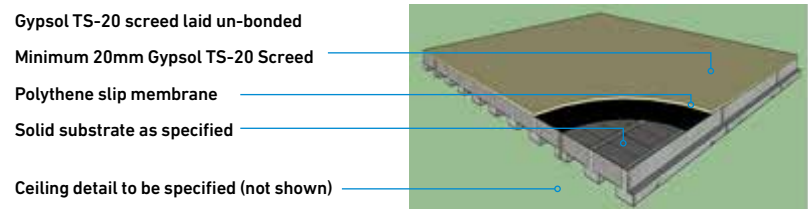
### Physical data

<b>Appearance</b>	Off white fluid mortar	
<b>Density</b>	Wet	2200kg/m <sup>3</sup>
	Dry	2000kg/m <sup>3</sup>
<b>Minimum Strength</b>	C30-F5	
<b>Required Flow (EN 13454-2)</b>	230mm to 270mm	
<b>Reaction to Fire</b>	Class A <sub>1fl</sub> non combustible	

### Performance data

<b>Working Time</b>	Place and finish within 2 hours of batching.
	Finish within 1 hour of placing.
<b>Foot Traffic</b>	24 to 48 hours
<b>Loading</b>	5 to 7 days
<b>Drying (50mm depth)</b>	At 20°C and 60% RH - In excess of 1mm/day
<b>Force Drying</b>	Can be force dried after 7 days
<b>Minimum depth</b>	20mm

### Typical application schematic



### Environmental data

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

### Health and safety data

**Gypsol TS-20** screed is delivered to site ready to use via offsite mixing plants removing the need for labour intensive site mixing and associated mixing equipment.

**Gypsol TS-20** screed is pumped directly to where they are needed removing much of the manual handling operations required to install other screeds.

**Gypsol TS-20** screed is generally pumped using equipment with closed or gridded dispensing hoppers removing risk of contact with moving machinery.

**Gypsol TS-20** screed is 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.

