

HIGH QUALITY THIN SCREED FOR BONDED AND UNBONDED APPLICATIONS



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.

DESCRIPTION

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 2000m² 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 **01928 574574**

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

PHYSICAL DATA

Appearance		Off white fluid mortar
Density	Wet	2200kg/m ³
	Dry	2000kg/m ³
Minimum strength		C30-F6
Required flow (EN 13454-2)		230mm to 270mm
Reaction to fire		Class A1 _n non combustible

PERFORMANCE DATA

Working time	Place and finish within 2 hours of batching Finish within 1 hour of placing
Foot traffic	24 to 48 hours
Loading	5 to 7 days
Drying Time)	At 20°C and 60% RH - in excess of 1mm/day
Force Drying	Can be force dried after 7 days
Minimum Depth	20mm

TYPICAL APPLICATION SCHEMATIC

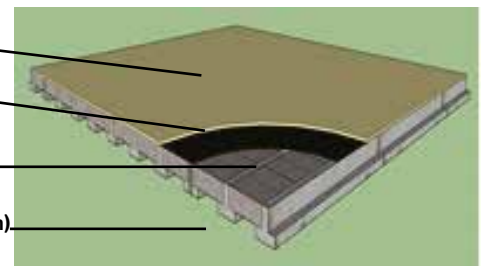
Gypsol TS-20 screed laid un-bonded

Minimum 20mm **Gypsol** TS-20 Screed

Polythene slip membrane

Solid substrate as specified

Ceiling detail to be specified (not shown)



ENVIRONMENTAL DATA

Recycled content	Binder	98%
	Mortar	up to 40%
Carbon emissions	Binder	10 to 30kg/tonne
	Mortar	30 to 50kg/m ³
VOC		Virtually zero
Recyclability		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.