

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-F5 |
| 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

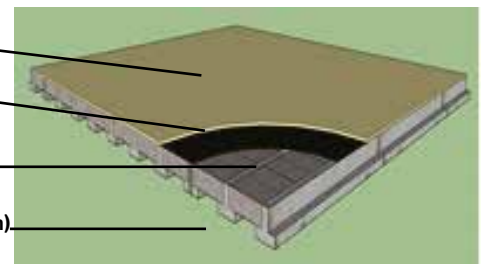
Gypsol TS-20 screed laid un-bonded

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.