



**MINCRETE**  
Ready Mixed Concrete Specialists



**BULCON**  
Bulk Concrete Supplies

## Mincrete SBR Polymer Modified Screed

Issued 17/12/21

### Data Sheet No. TS2

#### Identification: SBR Polymer Screed

Mincrete ready-to-use Cement/Sand screed is a correctly proportioned, factory produced levelling screed for flooring and roofing applications.

Mincrete screeds can be retarded in order to remain workable for 8 – 12 hours.

SBR Polymer Modified Screed has been developed to create a tougher product with added bonding properties. The inclusion of the SBR agent within the product, among other things, allows greater flexural strength and can be bonded down to 25mm average minimum thickness.

#### Product Conformity

Mincrete Screeds are to be used in accordance with the recommendations of **Code of Practice BS 8204-1**. Although not accredited, Mincrete performs regular random sampling to ensure its products exceed the strength requirements laid out in BS EN 13813.

#### Composition and Manufacture

All Mincrete Levelling Screeds ready are pan mixed and accurately controlled blends of the following materials:-

- Well graded, washed fine aggregate (0-4mm) conforming to BS EN 12620 / BS EN 13139.
- Portland Cement conforming to BS EN 197-1.
- Retarding and/or water reducing admixture conforming to BS EN 934-2/3 to provide optimum working time of 8-12 hours from the time of mixing.
- "Potable" water conforming to BS EN 1008.

#### Density

Typical Test Results

Fresh, wet and uncompacted: 1,850 – 2,000 kg/m<sup>3</sup>

Compacted, set and air dried: 2,000 – 2,200 kg/m<sup>3</sup>

#### Uses

Mincrete SBR Polymer Modified Screeds are suitable for use in conjunction with the following floor construction methods:-

- Solid Concrete Slabs (Bonded, Un-bonded or Floating (Over Insulation) applications.
- Precast concrete units or beams with reinforcement.
- In-situ suspended floors.
- As topping to lightweight screeds.
- Particularly suits wet areas such as swimming pools and changing rooms due to its water resistant properties

The above applications are subject to the minimum thicknesses detailed below.

#### Minimum Depths

- Monolithic – 12-15mm (No greater than 25mm)
- Bonded – 25mm
- Unbonded – 50mm
- Floating – 75mm (65mm Domestic)

Where SBR screed is to be laid over a wet underfloor heating system a minimum coverage of 25mm above the UFH pipes is required.

#### Typical times for hardening and drying

Light foot traffic – 4 days

Site Traffic – 7 days

Prior to the application of a non-moisture sensitive floor covering a total moisture content of no greater than 3.2% should be achieved.

Please allow 1 day per 1mm depth of screed for the screed to dry up to the first 50mm and 1/2mm per day beyond 50mm.

#### Site Practice

On delivery Cement Sand screeds should be tipped on to a clean impermeable board or sheet (i.e. Visqueen or Polythene) and be protected from wind, rain etc with sheeting. Fresh deliveries should not be tipped on top of previous loads.

All screeds manufactured by Mincrete Ltd should be installed in line with BS 8204.



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### HEALTH & SAFETY

Contact with wet cement or cement containing preparations can cause severe burns and contact dermatitis. Please consult our health and safety data sheet for further details.

### Fire Protection

Mincrete ready-to-use traditional levelling screed contains less than 1.0% organic material and is classified in accordance with BS EN 13501 as Class A1 without testing. (Commission Directive 96/603/EC).

### Effect of Freeze Thaw

In cold conditions adequate precautions must be taken against freeze thaw. No antifreeze chemicals or accelerating agents should be to the screed material.

### Compatibility

Mincrete ready-to-use traditional levelling screed is compatible with all standard building materials. However, wet cementitious materials may attack certain metals e.g. aluminium faced insulation.

### Durability

In terms of durability no problems should occur if the correct screed product has been specified laid and cured in accordance with BS8204-1. Mincrete ready-to-use traditional screed is not designed to be used as a wearing surface and should always be covered with an appropriate final floor finish.

### CONTACT

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### Opening Hours

Monday - Friday:  
07:00 - 17:00

Saturday:  
07:00 - 11:00 (12:00 Stoke)

Sunday: Closed