



MINCRETE BULCON

Ready Mixed Concrete Specialists Bulk Concrete Supplies

TRADITIONAL SCREED

Issued 17/12/21

Data Sheet No. TS1

Identification

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.

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 are 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/m³

Compacted, set and air dried: 2,000 – 2,200 kg/m³

Standard Mixes

Traditional Proportions	BS EN 13813	BS EN 13813
	Compressive Strength Class	Flexural Strength Class
1:5	C16	F1
1:4	C20	F2
1:3	C30	F3

Variations on our standard range of mixes are available upon request.

Coverage Rates

Thickness mm	Coverage Area m ² /tonne (approx.)	Thickness mm	Coverage Area m ² /tonne (approx.)
10	45	45	10
15	30	50	9.0
20	22.5	55	8.2
25	18	60	7.5
30	15	65	7.0
35	13	70	6.5
40	11	75	6.0

The above table shows approximate coverage rates for 1 tonne of screed (0.43 – 0.48m³/tonne). Variations in the levels of the sub base will affect coverage rates.



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Typical times for hardening and drying

Light foot traffic – 4 Days

Site Traffic – 7 Days

It is accepted that standard Cement:Sand Screeds generally dry at a rate of 1mm per day for the first 40mm of screed and 0.5mm per day thereafter. Where the substrate has an excessive moisture content these times will be increased. High Humidity or low temperatures in situ will also delay the hardening and drying process. As the drying times indicated apply from the completion of any curing operations, the flooring contractor must check the moisture content of the screed prior to laying/installation of the floor finish.

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.

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 13501-1 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 design to be used as a wearing surface and should always be covered with an appropriate final floor finish.

CONTACT

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For a quotation or to discuss you requirements call us on
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Opening Hours

Monday - Friday:

07:00 - 17:00

Saturday:

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

Sunday: Closed