



# PACTOTop CemScreed 50

Cementitious Screed for concrete pavement and Floors- up to 50mm

## DESCRIPTION

**PACTOTop CemScreed 50** is a premixed, cementitious, ready to use screed mortar that can be used from 10 to 50 mm thicknesses approximately.

## TYPICAL USES

It is used to level substrates prior to laying carpets, floors, tiles and in car parks.

## TECHNICAL DATA

<b>Binder</b>	Portland Cement, together with selected admixtures.
<b>Aggregate Size</b>	0-5 mm
<b>Water Mixing Ratio</b>	6 to 7 ltrs. per 50 kg bag Water powder ratio: 0.14
<b>Approximate Yield</b>	25.5 to 26.5 ltrs.per 50 kg.bag
<b>Wet Density</b>	2.19 kg./ltr.
<b>Compressive Strength@ 28 days</b>	40 N/mm <sup>2</sup> (depending on water cement ratio used)
<b>Workability Time</b>	Approx.45 min.
<b>Curing</b>	better for 72 hours
<b>Pack Size</b>	50 kg paper bags
<b>Shelf Life</b>	12 months from the date of manufacture when stored in dry conditions
<b>Specification</b>	BS 1201, BS 882, DIN 4226

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

The substrate should be thoroughly cleaned devoid of dust, loose particles, formwork oil, grease and other contaminations that may affect the adhesion.

Spray clean water on the surface just before laying the screed. Free water on the surface should be allowed to disperse before applying the screed.

## MIXING AND APPLICATION

**PACTOTop CemScreed 50** must be mixed with potable water only, In a clean plastic bucket or a clean non- corrosive, uncontaminated metal tub. To ensure a homogenous and uniform mix, a mechanical mixer must be used. The amount of water to be added is approximately 6-7 ltrs. Per bag (approx. 14% by weight). Add the screed to water in the mixer and mix till a homogenous mix is obtained. No further water should be added to the mix. Hard and set mortar should not be mixed nor used. In general, screeding should be carried out in accordance to the relevant standards and code of practice

## FINISHING

**If need be, PACTOTop CemScreed 50** should be struck off to the correct level and finished with a steel trowel to fully close the surface. A textured surface can be achieved using a suitable roller or brush. The completed surface should not be overworked.

## CURING

It is essential to properly cure the applied screed for a minimum period of 2 to 3 days (3-4 times daily). For application procedures for concrete containing cement replacements, the use of a curing compound (PACTOCure WB) is recommended. **PACTOTop CemScreed 50** can be cured with water, but better cured using a suitable curing membrane such as **PACTOCure WB** sprayed on to the surface of the finished mortar in a continuous film. Large areas should be cured as trowelling progresses at 0.5m<sup>2</sup> at a time. Avoid overspray at edges on to surrounding substrate. In fast drying conditions, supplementary curing with polyethylene sheeting taped down at the edges must be used.



### EQUIPMENT CLEANING

PACTOTop CemScreed 50 may be removed from tools with water however cured material may only be removed mechanically.

### PACKAGING AND YIELD

PACTOTop CemScreed 50 is supplied in 50kg bags, yielding approximately 25.5 to 26.5 litres.

### STORAGE AND SHELF LIFE

All products have a shelf life in excess of 12 months provided they are stored in dry conditions in the original unopened packs.

### HEALTH AND SAFETY

PACTOTop CemScreed 50 contains cement powders, which when mixed or become damp, release alkalis, which can be harmful to the skin. During use, avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment. The use of barrier creams provides additional skin protection. In case of contact with skin, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately – do not induce vomiting.

### FLAMMABILITY

PACTOTop CemScreed 50 is non flammable.



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