

# DCP ULTRASCREED BINDER



## Ultra rapid drying floor screed binder

TECHNICAL DATA SHEET PUBLISHED JANUARY 2022

### PRODUCT FEATURES

**DCP Ultrascreeed Binder** is a proprietary, fibre reinforced screed binder based on high alumina cement used for creating ultra rapid drying and high strength floor screeds.

Screeds produced with DCP Ultrascreeed Binder can be walked on after just 3 hours, and can receive tiled floor finishes after just 4 hours irrespective of thickness. Soft floor finishes, wood and vinyl can be applied after 48 hours. DCP Ultrascreeed Binder is suitable for use with underfloor heating systems.

DCP Ultrascreeed Binder can be used to create bonded, unbonded and floating screeds in internal applications where a rapid return to service or handover is required. Typical uses include commercial and residential projects such as schools, supermarkets and offices.

### MATERIALS SUPPLIED

20 kg paper sacks.

### STORAGE

Protect from frost and store under dry warehouse conditions at a temperature between 10°C and 30°C.

### SHELF LIFE

6 months if stored in unopened bags and stored under proper conditions.

### APPLICATION INSTRUCTIONS

#### BOND SCREEDS

Concrete and sand / cement screeds must be sound, dry and fully cured (not subject to shrinkage) and any laitance or surface treatments must be removed by mechanical means such as grit blasting. The surface tensile strength of the substrate should be a minimum 1.5 N/mm<sup>2</sup>.

Concrete substrates should be primed using Neoprene Primer. Another application procedure is by preparing a bonding latex slurry and the application of the mortar while the slurry is still wet. If there is a concern of negative water pressure,

Strongcoat DPM should be applied as a damp proof membrane which is broadcast with a quartz aggregate to form a key for the bonding slurry. The temperature of the floor must be maintained above 10°C throughout the application and drying of the DCP Ultrascreeed Binder.

### TECHNICAL INFORMATION

Mix ratio/by weight	3:1 sand : binder	4:1 sand : binder
Working time @ 20°C	40 - 60 min	
Drying time @ 20°C	48 hr	
Foot traffic @ 20°C	3 - 4 hr	
Soundness	Category A	Category B
Fresh wet density	2.2 kg/ltr	
DCP Ultrascreeed Binder required per m <sup>2</sup> @25 mm thick	13 kg/m <sup>2</sup>	10.5 kg/m <sup>2</sup>
Minimum thickness bonded	25 mm	
Minimum thickness unbonded	50 mm	
Minimum thickness floating	65 mm	

### UNBONDED AND FLOATING SCREEDS

Walls and columns must be isolated with suitable separation joints. Substrates and insulation boards should be stable with no lateral movement possible.

### UNDERFLOOR HEATING

When screeding over underfloor heating pipes, a minimum cover of 25mm is required above the pipes. Underfloor heating should be pressurised and commissioned following the manufacturer's instructions.

### VENTILATION

Suitable ventilation is required however ensure doors and windows are sufficiently closed to prevent draughts during application and whilst curing.

### MIXING

#### HAND APPLICATION

DCP Ultrascreeed Binder should be mixed with clean, screeding sand to the grading in BS 8204-1. Mix to a damp earth consistency using a forced action mixer. Do not over water and do not add any additives not approved by Don Construction Products. The recommended Binder : Sand ratio is between 1:3 to 1:4 by weight. The advised used water is in the range of 5 – 6Liters per 20kg bag binder.

The screeding sand with the following sieving analysis is advised:

Sieve	% retained
10 mm	0%
5 mm	0 - 10%
2.36 mm	15 - 25%
1.18 mm	20 - 30%
0.6 mm	20 - 30%
0.15 mm	20 - 30%

## APPLICATION

DCP Ultrascreed Binder should be placed immediately after mixing. Spread the mixed DCP Ultrascreed Binder in the application area and thoroughly compact. Screeds thicker than 50mm must be laid in two layers (wet on wet) to ensure complete compaction.

## CLEANING

Wash tools with water immediately after use.

## PRECAUTIONS

Do not place when the substrate temperature is below 10°C or when the ambient temperature is 10°C and falling.

Protect from frost.

Do not exceed the maximum recommended water content and only use potable cold water.

This product is not recommended for external use or situations where water may come into direct contact with the cured material.

This product should not be applied to asphalt or bituminous surfaces.

## HEALTH & SAFETY

Consult the appropriate Material Safety Data Sheet before using DCP Bond SBR.

## GENERAL GUIDANCE

This data sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Services Department.

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### Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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