

OSCREED QD

Fast Drying Screed Admixture

Description

Oscreed QD is an admixture designed to accelerate the drying time of cement based screeds to allow faster traffic access onto the screed bed.

Oscreed QD is supplied as a fine powder which is readily soluble in water and is easily dispersed during the mixing process. By means of steric repulsion **Oscreed QD** allows the release of trapped water in the matrix to maximise the hydration of the cement thereby giving faster drying times, increased strength and lower porosity.

Oscreed QD by its function of water reduction will also reduce the occurrence of drying shrinkage in the screed.

Applications

Oscreed QD is suitable for fully bonded, unbonded, floating and under heated screeds with or without fibre reinforcement. **Oscreed QD** is added in the batching process to produce a levelling screed that is capable of receiving floor coverings such as tiles, wood, carpet, vinyl and other toppings listed in BS 8203:2001.

Additionally **Oscreed QD** is available in small sachets to allow onsite dosing and mixing. The dosing of **Oscreed QD** to screeds intended to be pumped to elevated floors will enhance plasticity and ensure easy placing.

Properties

Nature	Powder
Colour	White
Bulk Density	450 g/cm ³
pH	6.0
Chloride Content	<0.10%
Na ₂ O equivalent	<1.00%

Addition Rates

Dosage rate **1 x 250g** sachet per tonne of screed.

Standards

Oscreed QD is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.

Benefits

- Faster acceptance of foot traffic to the screed
- Reduces waiting time to final finishing trades
- Easier screed placing and compaction
- Reduced shrinkage of the screed
- Strong and durable surface
- Low porosity
- Can be used with screed pumps
- Faster placing of floor finishes



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Properties

Density:	1800 - 2000 kg/m ³
BRE Drop Hammer Test (BS 8204-1):	Category A
Compressive Strength:	1:4 >25.0 N/mm ² 1:3 >30.0 N/mm ²
Drying Time:	4mm per day (25mm per week) *
Light Foot Traffic:	12 hours *
Full Traffic:	7 days *

* Figures are taken from Sheffield Hallam University report Oscreed QD SHU (July 2012)

Information

Sand/Cement screeds containing **Oscreed QD** have similar movement characteristics to concrete and traditional sand/cement based screeds.

The flooring contractor should check the moisture of the screed before commencing to lay the floor covering to ensure compliance with the recommendations of BS 8203:2001. Typically, floor coverings can be installed between 1 to 3 weeks after casting depending on the screed thickness and drying conditions.

The sand/cement screed containing **Oscreed QD** will under normal conditions resist the wear from light foot traffic. However, where follow-on trades are to work on an uncovered screed, it is recommended that the screed be protected until the permanent floor covering is applied.

For a 50 - 75mm cementitious screed an average drying time of seven days per 25mm should be allowed before laying of the floor covering. For depths lower than 50mm the average drying time may be reduced to 3 days subject to the substrate being free from moisture. However, low temperatures or excessive moisture in the underlying concrete will delay the drying of the screed. Curing is always recommended for cementitious products although is not always needed. Protect the sand/cement screed from premature drying due to wind, strong sun and enforced drying conditions.

A Full copy of the Sheffield Hallam Test report Oscrete QD SHU report which gives details on **Oscreed QD** performance is available to download from the Oscrete website www.oscrete.co.uk under Technical Bulletins.



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Compatibility

Oscreed QD is compatible with all Portland Cement systems, including GGBS, PFA and limestone blends.

Oscreed QD is compatible with all Oscrete admixtures, but should be added to the mix separately.

Storage

Store the product in a dry environment at temperatures between 5 and 30 degrees centigrade. Moisture ingress will cause the product to harden. The shelf life in unopened sachets is 9 months.

Handling

Oscreed QD is a non hazardous product but in line with normal handling procedures, protective gloves and goggles should be worn to avoid contact with skin and eyes.

Refer to the Material Safety Data Sheet for full details.

Packaging

Oscreed QD is supplied in boxes containing **52 x 250g** plastic sachets.

Disclaimer

The physical properties quoted are typical, and should not be taken as a specification. The information supplied in our literature is based on data and experience and is given in good faith. Our policy is one of continuous research and development and we reserve the right to update this information at any time; customers should therefore ensure they have the latest issue. Whilst we guarantee the consistent high quality of our products, we have no control over the circumstances in which our materials are used, site conditions or the execution of the work and are therefore unable to accept any liability for any loss or damage which may arise as a result thereof. Materials are supplied in accordance with our standard conditions of sale.

Notes

Oscreed QD may be used with a set retarder to ensure the working life of the screed is not reduced.

Oscrete can recommend **Optomix R42** retarder as a compatible set retarding admixture.

The recommended dosing procedure is to add the **Optomix R42** retarder before the **Oscreed QD**.

Oscrete 6mm HD and **12mm HD** fibres have been shown to further enhance the performance of the screed. These fibres can be obtained from OSCRETE by contacting your local Technical Sales Manager or calling the Oscrete sales office on 01274 393286.

Please consult the OSCRETE Technical Department for advice on admixture selection on 01274 393286

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