

# OSCREED QD

## Fast Drying Screed Additive

### PRODUCT DESCRIPTION

**Oscreed QD** is an additive designed to accelerate the drying time of cement based screeds which allows 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. **Oscreed QD** works by means of electrostatic repulsion and steric hindrance which releases trapped water in the matrix which in turn maximises the hydration of cement and thereby gives 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 heated screeds with or without fibre reinforcement. **Oscreed QD** is added at the batching process to produce a levelling screed that is capable of receiving floor coverings such as tiles, wood, carpet, vinyl and other topping listed in BS 8203:2017. The dosing of **Oscreed QD** to screeds intended to be pumped to elevated floors will enhance plasticity and ensure easy placing.

### BENEFITS

- Faster acceptance of foot traffic to the screed.
- Reduced waiting time to final finish trades.
- Easier screed placing and compaction.
- Reduced shrinkage of screed.
- Strong & durable surface.
- Low porosity.
- Faster placing of floor finishes.

### PROPERTIES

Nature:	Powder
Appearance:	White
Bulk Density:	approx. 0.450 g/cm <sup>3</sup>
Chloride Content:	< 0.10%
Na <sub>2</sub> 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.



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### PROPERTIES

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

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\*Figures 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 it complies with the recommendations of BS 8203:2017. 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 (subject to moisture testing). For depth 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 strong winds, strong sun and enforced drying conditions.

A full copy of the Sheffield Hallam test report Oscrete QD SHU which gives details on **Oscreed QD** performance is available to download from the Oscrete website [www.oscrete.com](http://www.oscrete.com) under technical bulletins.



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### COMPATIBILITY

**Oscreed QD** is compatible with all types of EN 197 cement systems.

**Oscreed QD** should not be premixed with other admixtures and should be batched separately.

### STORAGE

**Oscreed QD** should be stored undercover, protected from extreme temperature, frost and direct sunlight, the product has a minimum shelf life of 9 months. Moisture ingress will cause the product to harden.

### HANDLING

Please refer to the **Oscreed QD** material safety data sheet but in line with normal handling procedures, personal protective equipment should be worn.

### PACKAGING

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

### NOTES

**Oscreed QD** may be used with a set retarder to ensure the working life of the screed is not reduced. Oscrete recommends that **Optomix R42** retarder is used 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 HP** 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 01274393286.

Please consult the OSCRETE technical department for advice on admixture selection.

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#### 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.



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