



TECHNICAL DATA SHEET – COARSE Q-SAND

Product Overview

Renoscreed Coarse Q-Sand is a high-grade, washed and dried quartz aggregate specifically graded between 1.2–2.0 mm. It is designed to enhance the build-up capability of Renoscreed levelling and repair systems where deeper application layers are required.

Primarily used with Renoscreed Fibre, it allows the screed to be applied up to 75mm in a single operation. Coarse Q-Sand also integrates effectively with Renoscreed Repair Resin for the formation of trowelable, high-strength repair mortars in larger or deeper patch applications.

Applications

- Bulk fill screed where thickness must exceed 50mm
- Additive for deep-section use with Renoscreed Fibre
- Reduces shrinkage and maintains flow in thick layers
- Repair applications (used with Renoscreed Repair Resin)
- Large void and crack infill using high-strength resin/sand blends

Technical Data

Property	Value
Material	Graded quartz sand
Particle Size	1.2mm – 2.0mm
Particle Shape	Rounded
Colour	Light grey
Specific Gravity	2.65 g/cm ³
Hardness (Mohs)	7
Polished Stone Value	55
Loss on Ignition	≤ 0.1%
Packaging	25kg moisture-resistant bags
Usage Ratio (Fibre)	0.5kg sand : 1kg Renoscreed Fibre
Maximum Build-Up Depth	75mm in a single application

Renoscreed

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Chemical Composition

Component	% by Mass
SiO ₂	96.9%
Al ₂ O ₃	1.4%
Fe ₂ O ₃	0.1%
CaO	0.04%
MgO	0.02%
Na ₂ O	0.04%
K ₂ O	0.04%

Key Benefits

- Enables Renoscreed Fibre to build up to 75mm
- Reduced shrinkage in deep-fill screeds
- Maintains screed flow and pumpability
- Compatible with Renoscreed Repair Resin for mortar use
- Consistently graded, washed and kiln-dried quartz sand

Usage Guidance

With Renoscreed Fibre

Incorporate Renoscreed Coarse Q-Sand at a dosage of 0.5kg per 1kg of Renoscreed Fibre powder. Blend using standard paddle mixing equipment until homogeneous. Water dosage remains as per the Renoscreed Fibre data sheet. Use immediately and apply up to 75mm in a single pour.

With Repair Resin

Mix Renoscreed Coarse Q-Sand with Renoscreed Repair Resin to form a high-strength, trowelable mortar for larger or deeper section repairs, voids, or crack reinstatements. Mix ratios will vary based on consistency required—refer to project specifications or contact Renoscreed Technical Support.

Apply only between +5°C and +25°C. Do not exceed recommended mixing ratios or introduce excess water.

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Storage & Shelf Life

Store in original, sealed packaging in a dry environment. Avoid exposure to moisture or direct sunlight. Shelf life is 12 months from the date of manufacture.

Health & Safety

This product is classified as non-hazardous. Always wear appropriate PPE (dust mask, gloves, and eye protection) when handling dry sand. Refer to the product Safety Data Sheet (SDS) for detailed health and safety guidance.

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