

Technical Data Sheet

Washed Sand

Product Description:

Washed sand is a finely graded, clean aggregate material free of clay, dust, and other impurities. It is primarily used in construction applications such as concrete production, plastering, and drainage systems, where quality and consistency of the material are critical.

Product Name: Washed Sand

Application:

- **Concrete Production:** Used as a fine aggregate in concrete mixes for structural and non-structural purposes.
- **Plastering and Rendering:** Provides a smooth, clean base for plaster applications.
- **Drainage Systems:** Used in filter systems and bedding for pipes.
- **Landscaping and Backfilling:** Ideal for use in general landscaping, play areas, and backfilling trenches.

Physical Properties:

Property	Specification
Particle Size Distribution	75 μ m – 5 mm
Fineness Modulus (FM)	2.0 - 3.0
Moisture Content	< 10.00%
Bulk Density	1,400 – 1,600 kg/m ³
Specific Gravity	2.60 – 2.75
Silt Content	< 2%
Chloride Content	< 0.05%
Sulphate Content (SO ₃)	< 0.4%
Organic Impurities	Nil (free from organic matter)
Clay Content	Nil

Chemical Composition (Indicative):

Component	Typical Value (%)
SiO ₂ (Silica)	70 – 85
Al ₂ O ₃ (Alumina)	1 – 2
Fe ₂ O ₃ (Iron Oxide)	0.5 – 1.5
CaO (Calcium Oxide)	1 – 2
MgO (Magnesium Oxide)	< 1
K ₂ O/Na ₂ O (Alkalis)	< 0.5

P.O.Box: 1333, Doha – Qatar ص.ب: ١٣٣٣ الدوحة – قطر

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رأس مال الشركة ٦٥٣,٥٢٨,٩٤٠ ريال قطري (مدفوع)

The capital of company QAR 653,528,940 (Paid)

**Packaging:**

- Bulk delivery available.

Quality Standards:

- Meets **ASTM C33/C33M** standards for concrete aggregate.
- Complies with **BS 882** specifications for fine aggregates.

Safety and Handling:

- Non-toxic, but standard personal protective equipment (PPE) like gloves and masks should be worn to avoid dust inhalation.
- Store in a clean, dry area to prevent contamination.

Transportation:

- Transported in bulk by dump trucks. Ensure no contamination during transit.

Technical Support:

For further technical information,
please contact: **Qatar National Cement Company**

Disclaimer:

The information provided in this Technical Data Sheet is based on current knowledge and experience. The product must be used in accordance with applicable technical guidelines and local standards.



WASHED SAND

Sieve Analysis % Passing BS 812: Part 103 (Dry)							Grading Zone	SO3 % BS 812	Cl.% BS 812	Moisture Content %
5.00 mm	2.36 mm	1.18 mm	600 µm	300 µm	150 µm	75 µm		Part : 118	Part : 117	
100	98	88	67	24	2	0.1	3	0.39	0.02	5.50

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