

The logo for Waterco, featuring the word "WATERCO" in a bold, sans-serif font with a horizontal line underneath.

water, the liquid of life

www.waterco.com

A close-up photograph of two types of water filtration media. The top half shows a layer of fine, light-colored silica sand. The bottom half shows a layer of larger, multi-colored gravel. The text "Graded River Silica Sand & Graded Gravel" is overlaid in white on the bottom half of the image.

Graded River Silica Sand & Graded Gravel

Basic Filter Media for a Filtration System

Both silica sand and gravel are carefully selected grade of hard, uniformly graded silica material. They are free from minerals which may precipitate to the systems.

Silica sand is naturally rounded particles of silica or milled angularly shaped particles of silica quartz which usually found in many water filtration system.

Gravel is often being placed at the bottom most layer for backwash enhancement and also avoid damage to the underdrain system.



Graded River Silica Sand

Silica sand is hard grained quartz which able to withstand extreme temperature and high pressure condition. It is an economically feasible filter media for water purification.

Size: 0.6mm - 1.2mm

- Cost effective filter media
- Suitable for most filtration system
- Suitable for multi-media or single media application



Graded Gravel

Gravel has the ability to hold back precipitates containing impurities, which make it an extremely effective filter media. It has high uniformity in term of angularity, hardness and size to ensure proper filtering process.

Size: 3mm - 6mm

- Cost effective filter media
- Suitable for most filtration system
- Suitable for multi-media or single media application



Common Specification

Chemical Properties	Specification
Silicon Dioxide (SiO ₂)	> 95%
Iron Oxide (Fe)	< 1%
Manganese (Mn)	< 1%
Manganesium (Mg)	< 1%

Physical Properties	Specification
Bulk Density	1400 - 1500kg/m ³
Specific Gravity	> 2.4

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