

Introducing Zeolite the Ultimate Filter Media



1.0 to 2.0mm – Coarse Media

Astral Pool introduces the latest filter media product from Australia. It has been precisely engineered to provide unparalleled performance in filters in response to market pressure for an efficient, ecologically sustainable and long lifespan media. The stability and hardness of Zeolite makes it the ideal media for nearly every water processing application, from domestic and commercial pools, potable water treatment systems to domestic and industrial wastewater treatment.

Features

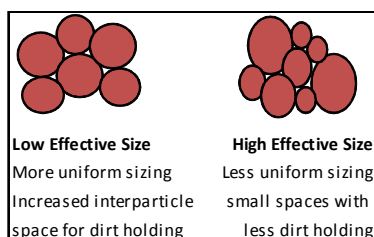
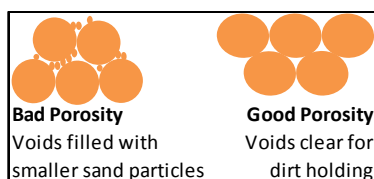
- Lighter bulk density
 - Reduces backwash to 80% of river sand and glass media water consumption
 - Easier handling
- Improved dirt holding ability
 - A high degree of particle size uniformity means the media can hold more dirt over longer periods of time
 - The unique properties of Zeolites allow 1.7 – 1.9 times the dirt holding capacity over equivalent sands (first published by Foreman, 1985 and most recently by Fuger, 2003).
- Higher water efficiency
 - Lower backwash rates = high savings in waste water
- Longer service life
 - Australian Zeolite: 6 to 8 years
 - River Sands: 4 to 6 years
 - Glass (fine grade): 3+ years
 - Due to its exceptional hardness (6mohs) Zeolite outlasts most commercially available filter products
- Australian Zeolite outperforms silica sands, glass, and nearly all commercially available Zeolite presently on the market.

Applications

- Domestic and commercial pool filters
- Raw water pre-treatment for ultra-clean water applications
- Commercial and municipal potable water treatment
- Commercial rapid-rate re-use water filters (eg. Carwash facilities)
- Commercial cooling applications (A.C. Cooling tower turbidity reduction)
- Industrial water circuit treatment (eg. Glass manufacturing)
- Waste water treatment
- Sewage treatment (lattice structure ideal for biological control)

Physical Properties

- Size 1.0 to 2.0mm (Coarse Filter Media)
- CEC 120 (pink particles) to 160 (green particles)
- Bulk density 1.10 to 1.15 kg/m³
- Packaging 25kg bags min. to 1.25 tonne bags max.
- Effective Filtration 12 to 15 micron
- Coefficient of Uniformity 0.73
- Effective Size 1.1mm
- Rounded Product product fully rounded



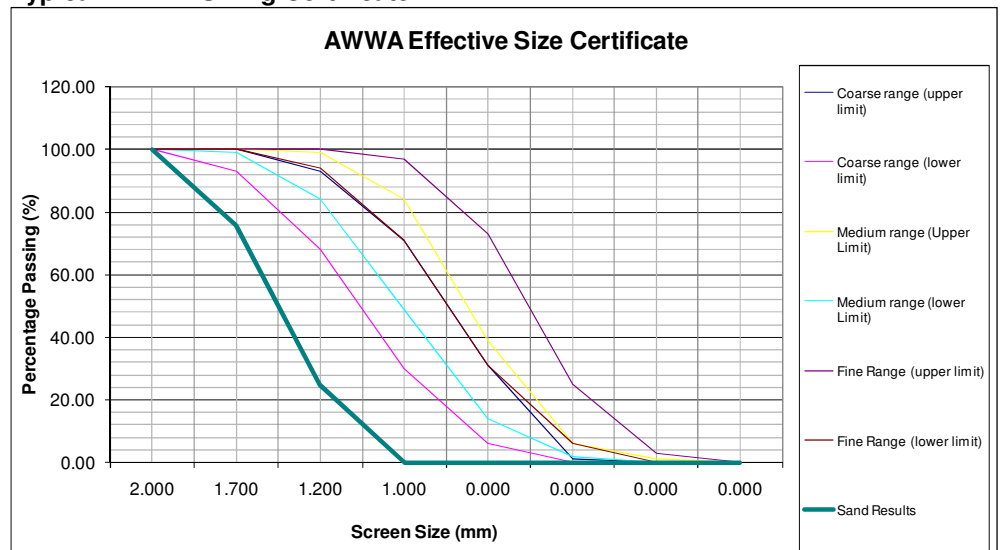
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Carbon and Environmental Footprint

- The footprint of the formation of Zeolite is thoroughly absorbed by over 300 million years
- Each backwash consumes 20 – 25% less water
- Due to higher dirt holding, in half of all applications water consumption is significantly reduced
- Does not require high purification processes like glass media (i.e. silica sand extraction is environmentally harmful e.g. Cape Flattery, QLD)
- Australian Zeolite comes from a discrete mine, ecological sensitivity is managed and extraction is not dependant on streams and/or rivers as is the case with most River Sands

Typical AWWA Sizing Certificate



- Coarse media to be used in conjunction with 0.5 to 1.0 medium/fine filter media.