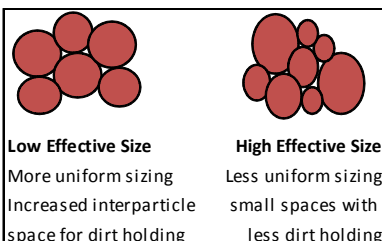
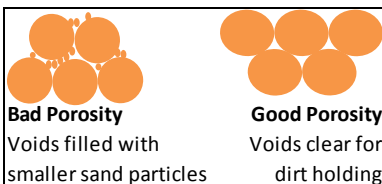
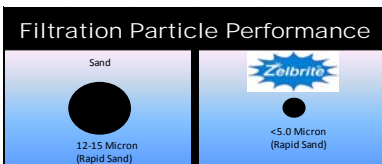
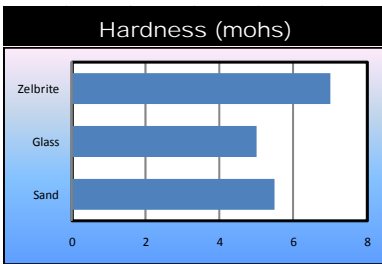


# Introducing Zelbrite – Ultimate



## Introduction

Zelbrite – Ultimate is the latest product from Zeolite Australia Pty. Limited. 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 Zelbrite – Ultimate make 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 water consumption
  - Easier handling
- Watermark certified product
  - The only Australian media certified by Watermark to reduce water consumption and running expenses
- AWWA compliant product
  - Zelbrite – Ultimate is compliant under the American Water & Waste Water Association standards for filter media
  - Ensures maximum efficient filtration and quality of particle sizing and distribution
- 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).
- Longer service life
  - Zelbrite – Ultimate: 6 to 8 years
  - River Sands: 4 to 6 years
  - Glass (fine grade): 3+ years
  - Due to its exceptional hardness (7Mohs) Zeolite outlasts most commercially available filter products
- Zelbrite – Ultimate outperforms silica sands, glass, and nearly all commercially available Zeolite presently available

## 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: 0.5 to 1.4mm (AWWA compliant 3C-7M product)
- CEC: 120 (pink particles) to 160 (green particles)
- Bulk density: 1.15 to 1.20 kg/m<sup>3</sup>
- Packaging: 25kg bags minimum to 1.25 tonne bags maximum
- Effective Filtration: <5 Micron (rapid sand)
- Coefficient of Uniformity: 1.6
- Effective Size: 0.55mm

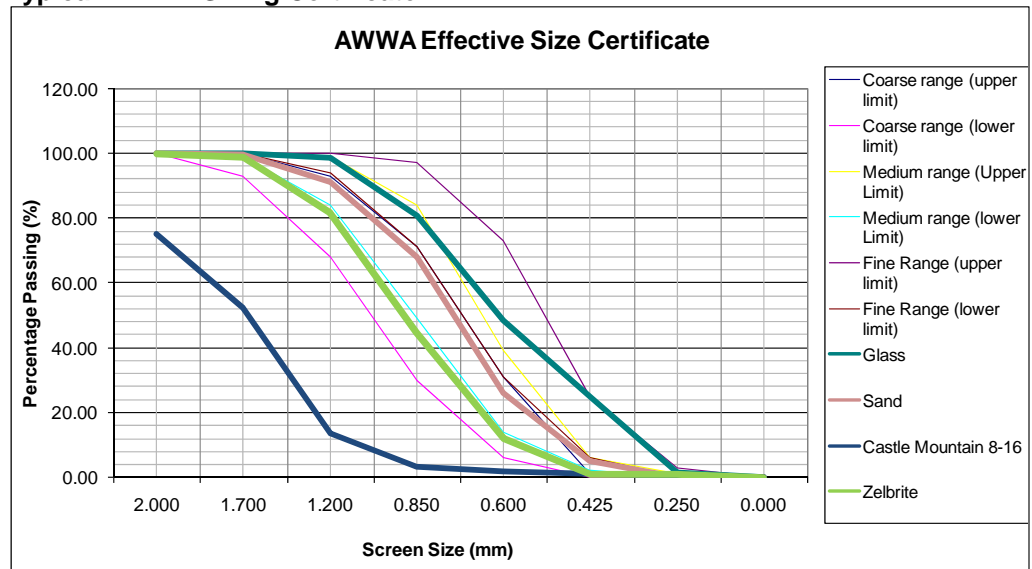
# Introducing Zelbrite – Ultimate



## 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
- Higher dirt holding means fewer backwashes for any given application, up to half as many of which significantly reduce water consumption
- Does not require high purification processes like glass media (i.e. silica sand extraction is environmentally harmful e.g. Cape Flattery, QLD)
- Zeolite Australia Pty. Limited operates 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



- Sand and Zelbrite – Ultimate are the only AWWA compliant products presently being offered for the Australian filter market

To order or enquire contact Zeolite Australia Pty. Limited

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