

Company Details:**Waterwell Projects (PTY) LTD****Reg No. 2001/018862/07**

Waterwell Projects (PTY) LTD

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email: info@waterwellpro.co.zaPoison Centre: **+27 861 555 777****TECHNICAL DATA SHEET****ecoclear® Fused Silica filter media****1. Product Name / Reference****ecoclear** – 100% Recycled amorphous fused silicon dioxide filter media.**2. Main Intended Use**

For application in Water filtration; - Swimming pools, Koi ponds, Water features, Potable water plants, Industrial wastewater treatment, etc.

3. Chemical Description

Amorphous fused silicon dioxide glass. This media contains no free silica.

The typical analysis is as follows:

Compound Element	Chemical Formula	Typical Content
Silicon Dioxide	SiO ₂	74.00%
Sodium Oxide	Na ₂ O	13.00%
Calcium Oxide	CaO	10.50%
Aluminium Oxide	Al ₂ O ₃	1.00%
Magnesium Oxide	MgO	0.50%

4. Physical Properties

Bulk Density	1500 kg/m ³
Shape	Angular
Colour	Green – Brown (some clear)
Permeability	Fine - typically 1.0 x10 ⁻¹ cm/sec Coarse - typically 4.0 x10 ⁻¹ cm/sec
Specific Gravity	2.52 g/cm ³
Hardness	6.0 Mohs

5. Sizes Available

Grade	Mesh	Nominal Size
Fine	30/16	0.6 – 1.25 mm
Coarse	12/6	1.6 – 3.15 mm

Recommended media packing – min 1:1 - max 2:1 - fine to coarse.

6. Packaging

Packed in 15kg woven polypropylene bags or 1 ton Bulk bags.

Bags are clearly marked to indicate grade.

Product requires no special storage conditions.

The information herein is given in good faith and to the best of our knowledge at the current date. The accomplishment of the instructions herein does not exempt the user from following the legal and administrative regulations relative to product, environmental safety, and hygiene, which are user's own responsibility.

Sources: Data arise from data sheets, reference works and literature.

Date of Revision: **24 January 2024**
