



ABSORB

Filter Sand at its Finest

Water Treatment

FILTER SAND

FILTER FLOORS

FILTER NOZZLES

Absorb: New Zealand distributor of
Filter Sand, KSH Nozzles
and Cadar Monolithic Filter Floors



Get in touch 07 829 5060

452b Tauwhare Road, Matangi, Hamilton 3284, New Zealand

e. sales@absorb.nz | w. absorb.nz

what we offer

WATER TREATMENT

We supply filter sand, filter nozzles & filter floors.

Our products meet drinking water Standards for New Zealand.

Absorb filter sand is suitable for contact with potable water and is NSF61 compliant.



what we do

WE MANUFACTURE, WE INSTALL

Filter Sand, Filter Nozzles & Filter Floors almost anywhere.



what's inside

Filter Sand

Pea Metal

Specialty
Product

Filter Floors

Filter
Nozzles

Page 3 - 4

Page 5

Page 6 - 7

Page 8

Page 9

filter sand

Absorb will screen sand to fit your needs, please ask.

Our sand particles are sub-angular to rounded. This shape provides an optimal balance between surface area for filtration and the ability to pack closely together, creating a filter bed with the right porosity and permeability.

Our products are available in 20 kg, 1-ton bulk bags, or as required.



coarse sand

QFS1 Silica Sand

Size:	1.13 - 2.46 mm
Uniformity:	< 1.5
Weight Volume:	1653 kg / m ³ + or - 3%
Mineral Composition:	97% Silica (SiO ₂)
Specific Gravity:	2.64



coarse sand

FS1 Silica Sand

Size:	1.13 - 2.46 mm
Uniformity:	< 1.5
Weight Volume:	1282 kg / m ³ + or - 3%
Mineral Composition:	92% Silica (SiO ₂)
Specific Gravity:	2.64



fine sand

QFS2 Quartz Sand

Size:	0.57 - 1.13 mm
Uniformity:	< 1.5
Weight Volume:	1389 kg / m ³ + or - 3%
Mineral Composition:	99.7% Silica (SiO ₂)
Specific Gravity:	2.64



fine sand

FS2 Filter Sand

Size:	0.57 - 1.13 mm
Uniformity:	< 1.5
Weight Volume:	1377 kg / m ³ + or - 3%
Mineral Composition:	92% Silica (SiO ₂)
Specific Gravity:	2.64

Photo's are not to scale



filter sand



super fine sand, and perfect for artificial turf

FS3 Filter Sand

Size:	0.30 - 0.57 mm
Uniformity:	< 1.5
Weight Volume:	1575 kg / m ³ + or - 3%
Mineral Composition:	92% Silica (SiO ₂)



micro sand

WW4 Waste Water

Size:	Microsand
Uniformity:	< 1.7
Weight Volume:	1400 kg / m ³ + or - 3%
Mineral Composition:	99.7% Silica (SiO ₂)

The micro-sand enhances the formation and settling of flocs, leading to high treatment efficiency in a compact and versatile system.

Photo's are not to scale



pea metal

Our pea metal is a dark black-grey smooth elongated stone with rounded edges that formed over thousands of years in New Zealand.

It is a support layer for granular filter media in water treatment.

Our products are available in 20 kg, and 1-ton bulk bags, or as required.



fine rock

PM3 Pea Metal

Size:	3 - 5 mm
Uniformity:	< 1.5
Weight Volume:	1667 kg / m ³ + or - 3%
Mineral Composition:	75% Silica (SiO ₂)
Specific Gravity:	2.65



medium rock

PM2 Pea Metal

Size:	5 - 10 mm
Uniformity:	< 1.5
Weight Volume:	1620 kg / m ³ + or - 3%
Mineral Composition:	> 75% Silica (SiO ₂)
Specific Gravity:	2.65



coarse rock

PM1 Drainage

Size:	10 - 20 mm
Uniformity:	< 1.5
Weight Volume:	1600 kg / m ³ + or - 3%
Mineral Composition:	> 75% Silica (SiO ₂)
Specific Gravity:	2.65



coarse rock

Photo's are not to scale

PM0 Drainage

Size:	> 20 mm
Uniformity:	< 1.5
Weight Volume:	1600 kg / m ³ + or - 3%
Mineral Composition:	> 75% Silica (SiO ₂)
Specific Gravity:	2.65

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specialty product

Our products are available in 20kg, 1-ton bulk bags or as required.

Garnet

sharp angular granules

Our garnet is a deep-brownish red angular granule. A natural almandite garnet known for its natural hardness, durability and abrasion resistance. A natural, chemically inert mineral, free of toxic metals, used as a support layer for granular filter media used in water treatment.

Size:	1.2 - 3.0 mm
Size:	2.4 - 4.8 mm
Weight Volume:	2100 kg / m ³ + or - 3%
Mineral Composition:	> 98% Garnet

Imported Product - Subject to lead time

Bayoxide E33 Potable Water

New Zealand Distributor

angular granules

Bayoxide E33 is a technical iron oxide absorber in granular form, used for the removal of arsenic and other ions from potable water.

Size:	0.31 - 2.0mm
Uniformity:	< 1.6
Bulk Density:	0.515 kg / L
Weight Volume:	1000 kg / 1940 m ³ + or - 3%
Mineral Composition:	> 70% Fe ₂ O ₃ content

Imported Product - Subject to lead time

Bayoxide E IN 20 and E IN 30 are available for use in non-potable water reducing phosphates in aquarium water, both fresh and salt water. For more information, contact Absorb.



Photo's are not to scale

Greensand Plus New Zealand Distributor

nodular granules

Greensand Plus is a blackish-green filter media used for removing soluble iron, manganese, hydrogen sulfide, arsenic and radium from groundwater supplies.

Size:	0.3 - 0.35 mm
Uniformity:	< 1.6
Weight Volume:	1445 kg / m ³ + or - 3%
Mineral Composition:	Solid silica sand core, with thermally

Imported Product - Subject to lead time bonded coating of manganese dioxide.



ABSORB

specialty product

Silica sponge is effective in removing smaller suspended particles and solids from water. It is highly porous, with nanoscale-sized pores. These pores trap particles as water passes through.

SS1 Silica Sponge

medium pumice - alternative to anthracite

Size: 1.13 - 2.46 mm
Uniformity: < 1.6
Weight Volume: 750 kg / m³ + or - 3%
Mineral Composition: 99.8% Silica

New Zealand Product

SS2 Silica Sponge

fine pumice - alternative to anthracite

Size: 0.57 - 1.13 mm
Uniformity: < 1.6
Weight Volume: 900 kg / m³ + or - 3%
Mineral Composition: 99.8% Silica

New Zealand Product

Anthracite

hard coal

Anthracite is used in water filtration as a filter medium or support bed in combination with other materials.

It is effective in removing smaller suspended particles and solids from water, is chemically inert, and helps prevent finer filter media from passing through the filter bed.

Size: 0.6 - 0.8 mm
Uniformity: < 1.6
Weight Volume: 1400kg / m³ + or - 3%
Mineral Composition: 95% Carbon

Imported Product - Subject to lead time



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filter floors

for new or retrofit installations

Absorb is the exclusive New Zealand distributor of Cadar Monolithic Filter Floors. Unlike other suspended filter floor systems there is no risk of degradation or structural failure, as the system is 'cast in-situ' becoming part of the surrounding structure.

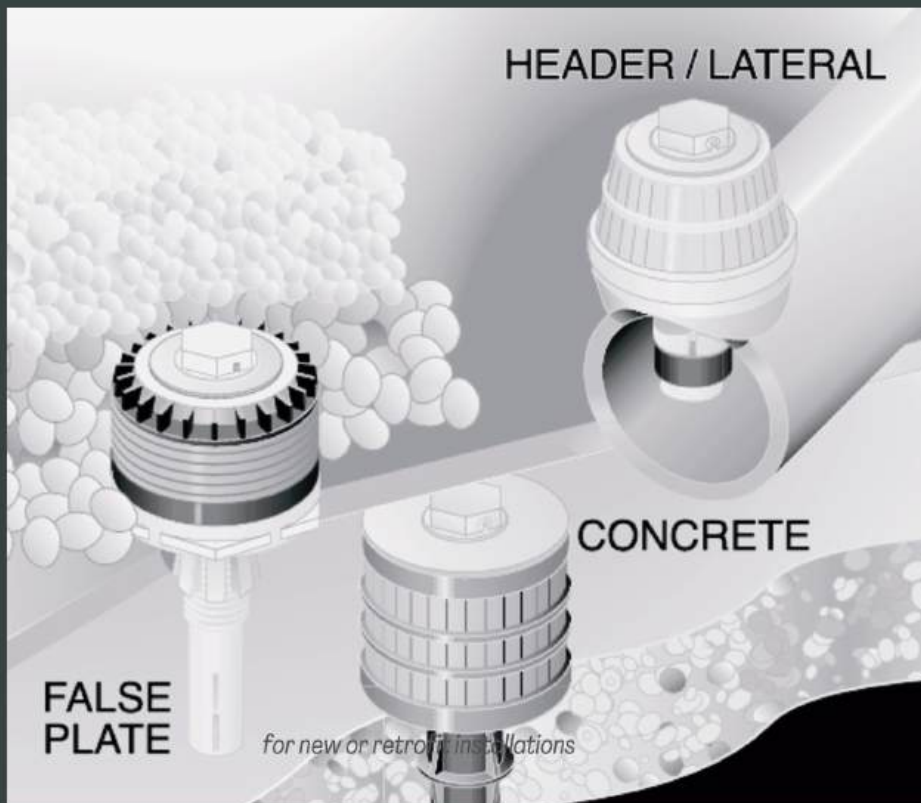
Lightweight and easy to install yet extremely strong.



monolithic corrugated panel filter floor



monolithic flat panel filter floor



filter nozzles

Absorb is the exclusive New Zealand distributor of KSH nozzles.

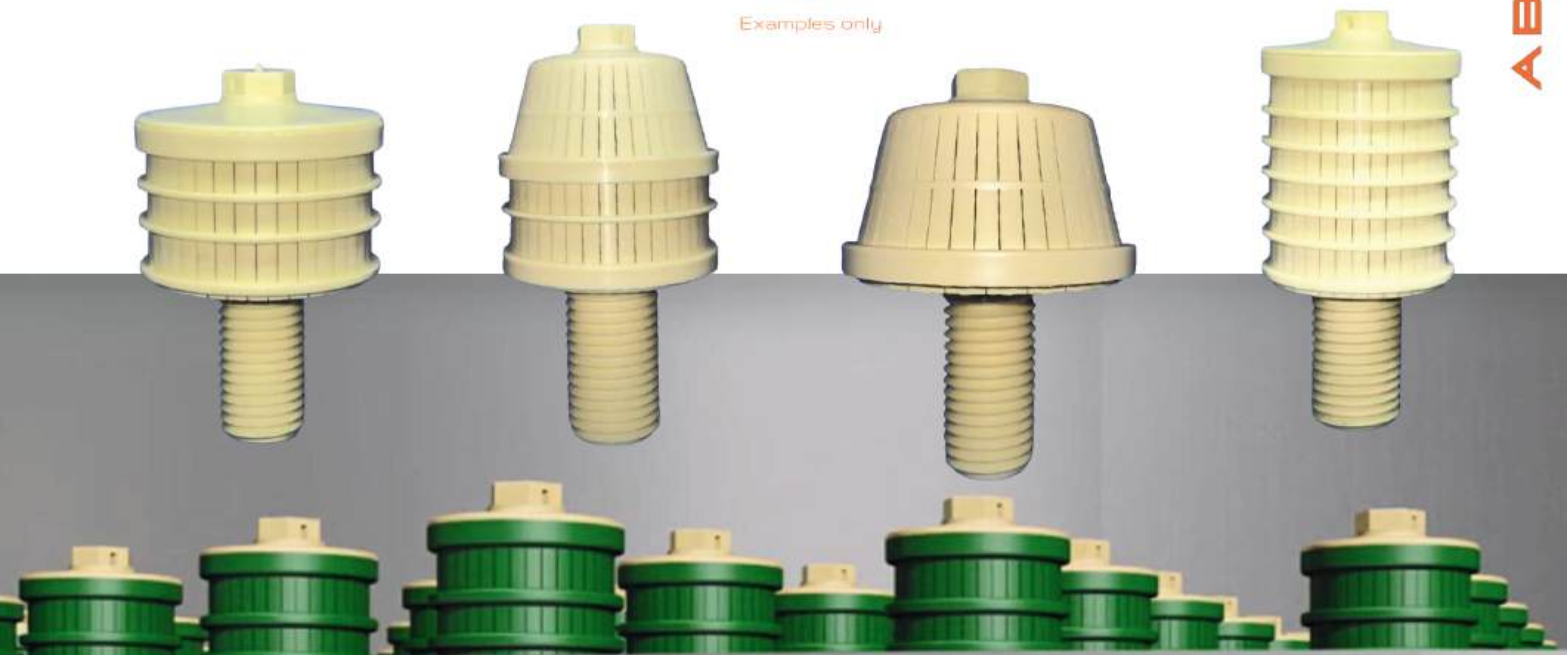
We provide instant access to the largest range of nozzle types (polypropylene, glass fibre-reinforced polypropylene, kynar, or stainless steel), slot size, air scour tubes, flow characteristics, adapters and accessories.

We'll provide you with specifications and accurate information about nozzles for any treatment or filtration application. Technical assistance is simply a phone call away.



Examples only

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Filter Sand at its Finest