

# AGGREGATE INDUSTRIES

Specialist silica sands

## Levenseat ProBunker 20™



A washed silica sand.

### Benefits/uses

- Will aid and open up a locking local sand when raked through
- Removes issues of sand splash when you top dress with Pro Golf 20
- Ideal if you are looking to move from your existing sand over a period of time
- Reserves 20 yrs plus

### Sectors

- Sports and leisure

### Available in

- Loose: bulk tippers
- Bulk bags (tote)

### Description

There are no official guidelines for the requirements of bunker sand. The results of research carried out by Dr KW Brown and JC Thomas form the basis of guidelines which can be found in James Beard's book "Turf Management for Golf Courses". Levenseat ProBunker 20 meets these guidelines. Further information is available on request.

Levenseat specialist silica sand is extremely popular for use as a bunker sand due to its free draining properties, attractive colour and sub angular particles.

### Mechanical analysis

Sieve size (mm)	Typical grading % retained	Description
3.4 to 5	0	Coarse gravel
2 to 3.4	0.1	Fine gravel
1 to 2	1.5	Very coarse sand
0.5 to 1	20.1	Coarse sand
0.25 to 0.5	61.0	Medium sand
0.15 to 0.25	16.5	Fine sand
0.05 to 0.15	0.3	Very fine sand
<0.05	0.5	Silt plus clay
Saturated hydraulic conductivity		1009.9mm/hr*
Penetrometer value		3.22kg/cm <sup>2</sup>
Crusting potential		None
Angle of repose		29.84°
Lime content		None
Specific gravity		2.69 Mg/m <sup>3</sup>
Uncompacted bulk density		1.51 t/m <sup>3</sup>
Nominal effective size		0.28-0.65mm
Uniformity coefficient		<2.66



\*tested at 10cm tension

NOTE:  
Gradation figures stated are indicative value, for specific grading values please contact Aggregate Industries Technical Department.

Sand is a naturally occurring product, therefore colour may vary.

### Levenseat ProBunker washed silica sand

Source:	Levenseat Quarry, West Lothian
Geology:	Carboniferous sandstone
Composition:	Quartz
Grain shape:	Sub-angular
Sphericity:	Medium



# Levenseat ProBunker 20™

## Sustainability and local sourcing

**Energy use:** Aggregate Industries is at the forefront of sustainability and has committed to reduce carbon emissions by 20% by 2016 based on a 2012 base line.

**Recyclable:** 100% of the product can be recycled thus reducing the amount of material that is sent to landfill.

**Manufacturing location:** produced in the the UK, with locally sourced materials under strict environmental and social legislation, for local supply.

## Policies

Aggregate Industries' policies on the environment and community, health and safety and sustainable solutions for different product applications can be viewed on our website [www.aggregate.com](http://www.aggregate.com)

## COSHH data

Full COSHH data on Levenseat Specialist Sands products is available on request. Please call 01698 870970 for more information.

## Technical support

Further information and technical guidance is available through the sales office.

**Please call Levenseat Specialist Sands technical services on 01698 870970.**

We can design products around your specific requirements. Please contact our technical department on 01698 870 970 for more information.

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