



Water treatment

Basalt

Basalt is a very hard black stone that is quarried in the northern part of Israel. The stone has an especially low crushing rate and high specific gravity, giving it unique properties and a relative advantage. In the process of the water industry, basalt is used as a filtering agent as well as an agent in the desalination process. The stone is carefully screened to obtain uniform material that is free of any debris.

*** Available in a wide variety of grades and packaging, according to the customer's requirements.**

Size (in mm)	0.3-0.6	0.6-1.4	1.4-2.5	2.5-4.75
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Chemical Analysis	Results in %
Al ₂ O ₃	14.7
CaO	7.1
Fe ₂ O ₃	12.4
K ₂ O	1.1
MgO	10.3
Na ₂ O	4.5
SiO ₂	44.6
TiO ₂	2.1
LOI	2.1
P ₂ O ₆	1.1
MnO ₂	0.08

Properties tested according to SI 1098	Result (%)
Crushing rate (%)	15
Dust content (%)	0.3
Absorption (%)	0.8
Specific gravity kg/m ³	2740

