

# PRODUCT SPECIFICATION OF FILTRALITE®

Filter media

## FILTRALITE® HR 4-8 mm

Commercial name	FILTRALITE® HR 4-8 mm
Density	Bulk density: 800 kg/m <sup>3</sup> particle density: 1400 kg/m <sup>3</sup>
Type of material	Expanded clay
Appearance	Round particles, smooth surface structure
Manufactured by	maxit Leca Rælingen, Norway

Size and weight	Value	Deviation	Comments
Effective size	4,6 mm	± 0,4 mm	d <sub>10</sub>
Particle size range	4-8 mm	< 4,0 mm max.5 % +Δ<0,125 mm > 8,0 mm max. 5 %	
Coefficient of uniformity	< 1,5		d <sub>60</sub> / d <sub>10</sub>
Bulk density, dry	800 kg/m <sup>3</sup>	± 75 kg/m <sup>3</sup>	EN 1097-3
Particle density, dry (PDD)	1400 kg/m <sup>3</sup>	± 100 kg/m <sup>3</sup>	Exclay Norm

Other properties	Value	Comments
Floating particles	< 2 %	Maximum volume floating particles after 2 days in water.
Particle porosity	48 %	Porosity internal particle: (1-PDD/2700 kg/m <sup>3</sup> )*100
Voids	43 %	EN 1097-3
Acid solubility	< 4 %	EN 12902
Friability loss	< 4 %	EN 12902
Water absorption 24 hours	11 %	Approximately value. Exclay Norm
Water absorption 28 days	22 %	Approximately value. Exclay Norm
Water absorption 1 year	32 %	Approximately value. Exclay Norm
Settling velocity	0.2 m/s	Approximately value. Exclay Norm (water saturated)
Mohs' hardness	6	

Chemical composition, average values:

SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	FeO <sub>3</sub>	K <sub>2</sub> O	MgO	CaO	Na <sub>2</sub> O	C <sub>tot</sub>
62%	18%	7%	4%	3%	3%	2%	0,02%

**maxit as**

P.O. Box 216 Alnabru  
0614 Oslo, Norway

Further information:

[www.filtralite.com](http://www.filtralite.com)

E-mail: [info@filtralite.com](mailto:info@filtralite.com)

Telephone:

+47 22 88 77 00

Telefax:

+47 22 64 54 54

