

## PRODUCT SPECIFICATION OF FILTRALITE®

### Filter media

### FILTRALITE NR 2-4

Commercial name	FILTRALITE® NR 2-4 mm
Density	Bulk density: 360 kg/m <sup>3</sup> particle density: 650kg/m <sup>3</sup>
Type of material	Expanded clay
Appearance	Round particles, smooth surface with micropores
Manufactured by	Weber Leca Rælingen, Norway

Size and weight	Value	Deviation	Comments
Effective size	2,2 mm	± 0,4 mm	d <sub>10</sub> , Approximately value
Particle size range	2-4 mm	> 4 mm max. 5 % < 1,8 mm max. 10 %	
Coefficient of uniformity	< 1,7		d <sub>60</sub> / d <sub>10</sub>
Bulk density, dry	360 kg/m <sup>3</sup>	± 75 kg/m <sup>3</sup>	EN 1097-3
Particle density, dry (PDD)	650 kg/m <sup>3</sup>	± 100 kg/m <sup>3</sup>	Exclay Norm

Other properties	Value	Comments
Floating particles, 2 days	90 %	Approximately volume floating particles after 2 days in water.
Floating particles, 28 days	85 %	Approx. volume floating particles after 28 days in water.
Floating particles, 2 years	15-20 %	Approx. volume floating particles after 2 years in water.
Particle porosity	76%	Porosity internal particle: (1-PDD/2700 kg/m <sup>3</sup> )*100 %
Voids	45 %	Approximately value. EN 1097-3
pH	12	Exclay Norm
Alkalinity	35 mekv/l	New material. NS 4754
Water adsorption 1 day	15 %	Approximately value. Exclay Norm
Water adsorption 1 month	40 %	Approximately value. Exclay Norm
Water adsorption 1 year	85 %	Approximately value. Exclay Norm
Water adsorption 2 years	95 %	Approximately value. Exclay Norm

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%

#### Weber

Saint-Gobain Byggevarer AS  
P.O. Box 216 Alnabru  
0614 Oslo, Norway

Further information:  
[www.filtralite.com](http://www.filtralite.com)  
E-mail: [info@weber-norge.no](mailto:info@weber-norge.no)

Telephone:  
+47 22 88 77 00  
Telefax:  
+47 22 64 54 54


