

# PRODUCT SPECIFICATION OF FILTRALITE®

## Filter media

### FILTRALITE® MC 1,5-2,5

Commercial name	FILTRALITE® MC 1,5-2,5 mm
Density	Bulk density: 550 kg/m <sup>3</sup> particle density: 1300 kg/m <sup>3</sup>
Type of material	Expanded clay
Appearance	Crushed particles, porous surface structure
Manufactured by	Weber Leca Rælingen, Norway

Size and weight	Value	Deviation	Comments
Effective size	1,7 mm	± 10 %	d <sub>10</sub>
Particle size range	1,5-2,5 mm	< 1,4 mm max. 3 % +Δ < 0,125 mm > 2,5 mm max. 5 %	
Coefficient of uniformity	< 1,5		d <sub>60</sub> / d <sub>10</sub> ,
Bulk density, dry	550 kg/m <sup>3</sup>	± 75 kg/m <sup>3</sup>	EN 1097-3
Particle density, dry (PDD)	1300 kg/m <sup>3</sup>	± 150 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	52 %	Porosity internal particle: (1-PDD/2700 kg/m <sup>3</sup> )*100
Voids	58 %	EN 1097-3
Acid solubility	< 5 %	EN 12902
Water adsorption 1 day	26 %	Approximately value. Exclay Norm
Water adsorption 28 days	40 %	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

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