

TECHNICAL DATA SHEET

STIKLOPORAS expanded glass is available in seven standard granular sizes from 0.1 - 16 mm.



DESIGNATION	STANDARD	BASIC GRANULAR SIZES						
		0.1-0.3	0.25-0.5	0.5-1	1-2	2-4	4-8	8-16
Granular size in mm	LST EN 933-1							
Bulk density in kg/m ³ (±15%)	LST EN 1097-3	400	340	270	230	200	190	140
Compressive strength in MPa (±0,5 MPa)	LST EN 13055-1, A annex	2.5	2.5	2.2	2	1.4	1.2	1
Thermal conductivity in W/(m-K)	LST EN 12939:2002	-	0,0767	0,0713	0,0663	0,0639	0.0661	0.05
Water absorption % by mass* (±15%)	LST EN 1097-6:2002, C Annex	15 %						
Climate changes frost/thawing resistance % by mass**	LST EN 13055-1:2004, C Annex	No more than 0,5						
Oversize	LST EN 13055-1	10%						
Undersize	LST EN 13055-1	15%						
pH value		9-11						
Moisture content on delivery		<0.5%						
Softening point		Approx. 700°C / 1300°F						
Acid soluble sulphates		Average value 0,06 %						
Total sulphur		Average value 0,03 %						
Colour		Cream white						

* Absorption % after 24 hours submerged in water

** After 20 cycles

Technical data given after testing basic grain sizes according to LST EN 13055-1:2004/AC: 2004.

Lightweight aggregates- Part 1: Lightweight aggregates for concrete, mortar and grout.

Modified 22/03/2017