

## TECHNICAL DATA SHEET



STIKLOPORAS expanded glass is available in six standard granular sizes from 0.25 - 8 mm. and special granular size from 0-1, 0-2, 0-4, 8-16 mm.

DESIGNATION	STANDARD	GRANULAR SIZES								
		0.25-0.5	0.5-1	1-2	2-4	4-8	8-16	0-1	0-2	0-4
Granular size in mm	LST EN 933-1									
Bulk density in kg/m <sup>3</sup>	LST EN 1097-3	340 (±15%)	270 (±15%)	230 (±15%)	200 (±15%)	190 (±15%)	140 (±15%)	340 (±15%)	280 (±15%)	250 (±15%)
Compressive strength in MPa	LST EN 13055-1, A annex	2.5	2	1.6	1.4	1.2	0.9	2.5	2	1.8
Thermal conductivity in W/(m-K)	LST EN 12939:2002	*	*	*	0.0691	0.0631	0.063	*	0.077	0.077
Water absorption % by mass*	LST EN 1097-6:2002,C Annex	20	18	18	16	13	13	18	18	14
Climate changes frost/thawing resistance % by mass**	LST EN 13055-1:2004,C Annex	No more than 0,7								
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 0,18 %								
Total sulphur		Average value 0,11 %								
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.