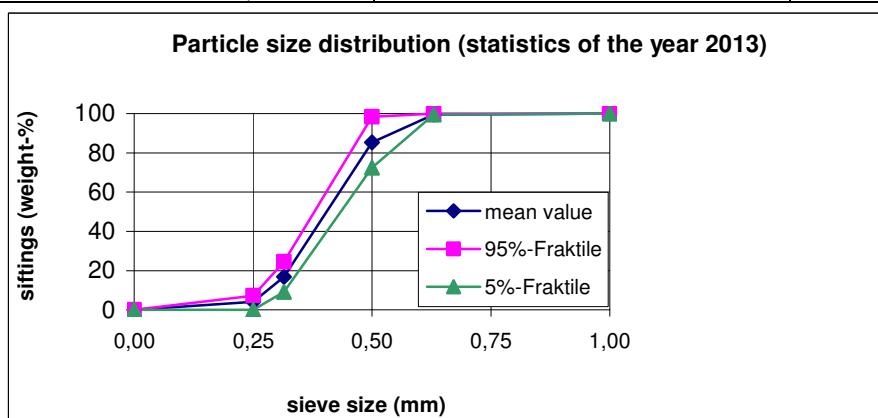


Data Sheet

Type	Liaver 0.25 - 0.5mmA		Declaration siftings: 100% < 1.0mm 95% < 0.63mm
Main properties Kind of material Shape	Expanded glass granules spheric, closed surface		Leightweight aggregate according to EN 13055-1
Geometrical properties Grain size Dust (< 0.063mm)	0.25-1 mm < 1 %		Test method EN 933-1 EN 933-1
Physical properties Loose bulk density Particle density Crushing resistance	300 ± 15%	kg/m ³	EN 1097-3 DIN V 18004 following EN 13055-1 Annex A
	540 ± 15%	kg/m ³	
	≥ 2.9	N/mm ²	
Chemical properties Chloride Acid-soluble sulfat Total sulfur	< 0.01 < 0.1 < 0.1	weight-% weight-% weight-%	DIN EN 1744-1
Chemical Composition SiO ₂ Al ₂ O ₃ Na ₂ O Fe ₂ O ₃ CaO MgO K ₂ O Trace elements	71 ± 2 2 ± 0.3 3 ± 1 0.5 ± 0.2 8 ± 2 2 ± 1 1 ± 0.2 < 0.5	weight-% weight-% weight-% weight-% weight-% weight-% weight-% weight-%	DIN 51001
Other properties Classification of fire VOC-class (French regulation of VOC from constuction products Decret No. 2011-321)	A1 A+ (very weakly emission)		DIN 4102-4 ISO 16000; DIN EN 717-1



Liaver GmbH & Co. KG
Gewerbepark „Am Wald“ 17
D-98693 Ilmenau

Internet: www.liaver.com

E-Mail: Info@liaver.com

Fon +49 (3677) 8629 0
Fax +49 (3677) 8629 30

Liaver®
expanded-glass
technologies

01/2014 St