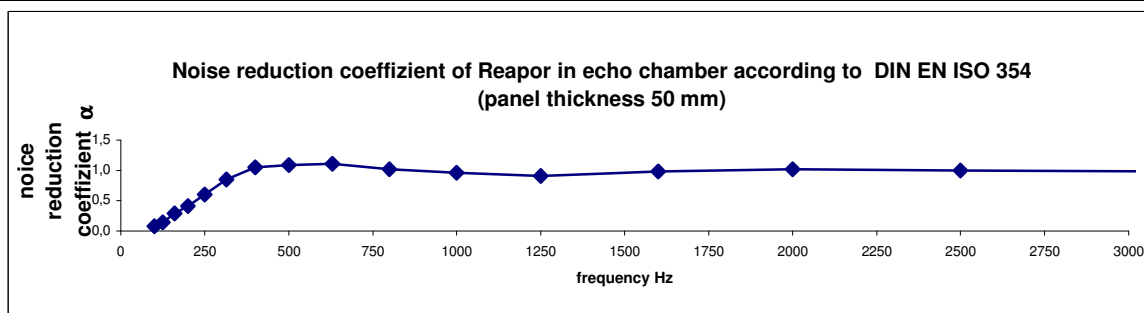


## Data Sheet Reapor

<b>Standard type 1</b>	<b>Length: 625±0.5mm; Width: 625±0.5mm; Thickness: 50±0.3mm; 1mm difference between the diagonals ; one-side with chamber-bevel</b>	
<b>Standard type 2</b>	<b>Length: 1250±0.5mm; Width: 625±0.5mm; Thickness: 50±0.3mm; 1mm difference between the diagonals ; one-side with chamber-bevel</b>	
<b>Standard type 3</b>	<b>Length: 1200±0.5mm; Width: 625±0.5mm; Thickness: 24,5±0.3mm; 1mm difference between the diagonals</b>	
<b>Physical properties</b>	<i>Reapor</i>	<i>Test method</i>
Density	270 ± 10% kg/m <sup>3</sup>	DIN EN 1602
Compressive strength	1.2 ± 10% N/mm <sup>2</sup>	DIN EN 196-1
Flexural strength	0.5 ± 10% N/mm <sup>2</sup>	DIN EN 196-1
Elastic modulus (dynamic)	760 ± 80 N/mm <sup>2</sup>	DIN 1048-5, DAfStb issue 422
Water vapour transmission	DIN EN ISO 12572	
<i>Dry cup:</i> Diffusion equivalent air layer thickness $s_d$	0,17 m	
Water wapor resistance factor $\mu$	3,5	
<i>Wet cup :</i> Diffusion equivalent air layer thickness $s_d$	0,20 m	
Water wapor resistance factor $\mu$	4,0	
Thermal conductivity $\lambda_{10tr}$	0.08 W/mK	DIN 52612
Fire resistance	Non combustible A1	DIN EN 13 501-1
Length specific flow resistivity	10 -20 kPas/m <sup>2</sup>	DIN EN 29053
<b>Chemical composition</b>		
SiO <sub>2</sub>	71 ± 2	weight-%
Al <sub>2</sub> O <sub>3</sub>	2 ± 0.3	weight-%
Na <sub>2</sub> O	13 ± 1	weight-%
Fe <sub>2</sub> O <sub>3</sub>	0.5 ± 0.2	weight-%
CaO	8 ± 2	weight-%
MgO	2 ± 1	weight-%
K <sub>2</sub> O	1 ± 0.2	weight-%
Trace elements	< 0.5	weight-%



Liaver GmbH & Co. KG

Internet: [www.liaver.com](http://www.liaver.com)

E-Mail: [Info@liaver.com](mailto:Info@liaver.com)

Gewerbepark „Am Wald“ 17  
D-98693 Ilmenau

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

Liaver®  
expanded-glass  
technologies

01/2014-St