



**kaiglass**<sup>®</sup>  
POWERED BY ZGS

The non-combustible protection against corrosion

- Euroclass A1 (Non-combustible in acc. with DIN EN 13501-1)
- Closed cell structure resists moisture ingress
- High compressive strength
- High resistance to ageing



## The non-combustible protection against corrosion

### Kaiglass Technical Data

<b>Material</b>		Cellular Glass consisting of soda-line silicate glass with a closed cell structure	
<b>Cell structure</b>		Closed cell	
<b>Colour</b>		Dark grey	
<b>Upper temperature limit</b>		+430 °C	Test acc. to EN 14706
<b>Lower temperature limit</b>		-170 °C (-260 °C)	Test acc. to EN 14706 See remark (1)
<b>Thermal conductivity</b>	at +10 °C	≤0,041 W/(m·K)	Test acc. to DIN EN 12667 ASTM C 177
<b>Water absorption</b>		None  <0,2 % after two hours full absorption	Test acc. to EN 12087 EN 1609  Test acc. to ASTM C534
<b>Water vapour permeability</b>	Moisture resistance factor $\mu$ Diffusion-equivalent air layer thickness $S_d$	$\infty$  >1.500 m	Test acc. to EN 12086 EN 13469
<b>Capillarity</b>		None	
<b>Euroclass <sup>°</sup></b>		A1 (non-combustible)	Test acc. to EN 13501-1
<b>Fire resistance classification (DIN 4102-11)</b>		R 90/R 120	
<b>General test certificate</b>		P-MPA-E14-002	Valid until April 2019
<b>Density</b>		120 kg/m <sup>3</sup> (±10 %)  120 kg/m <sup>3</sup> (±5 %)	Test acc. to EN 822 EN 823 EN 1602  Test acc. to ASTM C303
<b>Dimensional stability</b>		Excellent, does not shrink, swell or warp	Test acc. to EN 1604
<b>Compressive strength</b>		0,7 N/mm <sup>2</sup> 1 N/mm <sup>2</sup>	Test acc. to EN 826 Test acc. to ASTM C165
<b>Bending strength</b>		630 kPa	Test acc. to EN 12089
<b>Point load</b>		0,5 mm	Test acc. to EN 12430
<b>Chlorine equivalent</b>		1 mg/kg	Test acc. to EN 13468
<b>Other attributes</b>	pH-Value	CE marked 7	
<b>Manufacturing standard</b>		Complies with EN 14305	
<b>Health aspects</b>		Cadmium free Formaldehyde free	
<b>Lifespan</b>		5 years	
<b>Tolerances</b>		In acc. with DIN EN 14305	

Remark (1) For temperatures below -170 °C please contact our Technical Support Team for advice.

<sup>°</sup> The Euroclass rating applies to metallic or solid mineral substrates.

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**Kaiglass 800 Block**

Colour: Dark grey · Length: 610 mm · Width: 460 mm

Reference	Order No.	pieces/ carton
KG-610x460x160	KG160000 *	2

\* No stock item, delivery time on request.

