

## Characteristics

GW / CZ 4110 is an earthenware body with chamotte for casting.  
 Chamotte proportion: 41 %, chamotte grain - size: 0 - 1.0 mm  
 Available as crumble body.

Firing Colour	white
Recommended Firing Temperature Range	1000 - 1150 °C

## Technical Data

Unfired

Moisture	10,0% crumble body							
Chemical Analysis	SiO <sub>2</sub>	TiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	K <sub>2</sub> O	Na <sub>2</sub> O
	73,2%	0,98%	18,4%	0,80%	3,50%	1,20%	1,80%	0,20%
Loss of Ignition	6,5%							
Wet to Dry Shrinkage	1,3% casting							

Fired

Specimen Firing Temperature [°C]	1040
Coefficient of Thermal Expansion [x10 <sup>-6</sup> /°C]	
	20 - 400 °C
	20 - 500 °C
	20 - 600 °C
	7,0
	7,1
	8,7
Dry to Fired Shrinkage [%]	0,1
Water Absorption [%]	14,0



## Casting Advice

Dolaflux B 11 : Giessfix 162	1 : 2		
Optimum Amounts	0,09%	-	0,11%
First deflocculant and afterwards, add the crumble body under slow stirring to the water.			
Specific Weight to Achieve	1990	-	2000 g/l
GW / CZ 4110 needs about 13,5 % water to achieve s.w. of 1990 g / l.			
Test the casting advice in own production first remembering the mentioned amounts are depending			

- use the right amount of deflocculant to achieve optimum casting time
- if castthickness is too small, use less deflocculant
- don't use more than 10 - 15 % of scrap ( above the fresh made slip )

The technical data quoted on this sheet is indicative only. Any sale is by sample and is governed by our general conditions of sale.



## KERAMISCHE MASSEN

Sibelco Deutschland GmbH  
Sälzerstraße 20  
56235 Ransbach-Baumbach  
DEUTSCHLAND

Tel.: +49 2623 8828-0  
Fax: +49 2623 8828-92  
E-Mail: [kontakt@sibelco.de](mailto:kontakt@sibelco.de)

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