

Characteristics

GW / K 10 - FR - SK is a light earthenware body for casting. Particularly used for stove tiles.
Moisture expansion 1060 °C: 0.03 %
Available as spray - dried granulate.

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

Technical Data

Unfired

Moisture	6,0%	spray dried						
Chemical Analysis	SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	K ₂ O	Na ₂ O
	65,5%	0,75%	22,5%	0,60%	7,40%	1,50%	1,50%	0,20%
Loss of Ignition	12,8%							
Wet to Dry Shrinkage	3,0%	casting						

Fired

Specimen Firing Temperature [°C]	1060	
Coefficient of Thermal Expansion [x10 ⁻⁶ /°C]		
	20 - 400 °C	6,4
	20 - 500 °C	6,7
	20 - 600 °C	7,7
Dry to Fired Shrinkage [%]	0,7	
Water Absorption [%]	16,0	

Casting Advice

Gießfix 162

0,0

0,02%

First deflocculant and afterwards, add the granulate under slow stirring to the water.

Specific Weight to Achieve	1790	-	1800	g/l
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GW / K 10 - FR - SK needs about 34,5 l water per 100 kg to achieve s.w. of 1800 g / l.

Test the casting advice in own production first remembering the mentioned amounts are depending on the hardness of the water, the type of blunger, and the desired properties of the casting.

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.



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