

Characteristics

White Body - SK is a light earthenware body. It is suitable for casting.
Available as spray - dried granulate.

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

Technical Data (typical values)

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
	64,8%	0,85%	13,5%	0,35%	10,8%	7,80%	1,50%	0,40%
Loss of Ignition	16,5%							
Wet to Dry Shrinkage	4,5%	casting						

Fired

Specimen Firing Temperature [°C]	1060	
Coefficient of Thermal Expansion [x10 ⁻⁶ /°C]		
	20 - 400 °C	8,4
	20 - 500 °C	8,7
	20 - 600 °C	10,3
Dry to Fired Shrinkage [%]	0,0	
Water Absorption [%]	25,0	

Casting Advice

Gießfix 162			
Optimum Amounts	0,0	-	0,05%
First deflocculant and afterwards add the granulate under slow stirring to the water.			
Specific Weight to Achieve	1790	-	1810 g/l
White Body - SK needs about 35 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)

Calculation for 25 kg granulate

Water: 8,75 l
Giesfix 162: without
max. 12,5 g only, if water hardness is high

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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