

Characteristics

SVM 1 - T is an earthenware body for all forming methods.
Available as plastic body (K 142) and powder (SVM 1 - T).

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

Technical Data

Unfired

Moisture	0,8% Powder							
Chemical Analysis	SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	K ₂ O	Na ₂ O
	73,0%	0,80%	12,8%	5,00%	6,00%	0,40%	1,60%	0,20%
Loss of Ignition	8,5%							
Wet to Dry Shrinkage	6,0% casting							

Fired

Specimen Firing Temperature [°C]	1040
Coefficient of Thermal Expansion [x10 ⁻⁶ /°C]	
	20 - 400 °C 8,8
	20 - 500 °C 9,0
	20 - 600 °C 11,2
Dry to Fired Shrinkage [%]	0,2
Water Absorption [%]	14,5



Casting Advice

Dolaflux B 11 : Giessfix 162	1 : 2		
Optimum Amounts	0,28%	-	0,32%
First deflocculant and afterwards, add the powder under slow stirring to the water.			
Specific Weight to Achieve	1770	-	1790 g/l
SVM 1 - T needs about 46 l water per 100 kg powder to achieve s.w. of 1770 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.



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