

Characteristics

Flameproof - T is a ceramic body suitable for casting. Excellent characteristics in thermal shock resistance.

Optimum firing range: 1140 - 1160 °C (glaze firing)

Available as blended powder (Flameproof - T) and plastic body (Flameproof).

Firing Colour	cream
Recommended Firing Temperature Range	1000 - 1160 °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
	71,4%	0,60%	25,7%	0,50%	0,30%	0,20%	1,00%	0,30%
Loss of Ignition	6,5%							
Wet to Dry Shrinkage	2,6%	casting						

Fired

Specimen Firing Temperature [°C]	1150	
Coefficient of Thermal Expansion [x10-6/°C]		
	20 - 400 °C	1,8
	20 - 500 °C	1,8
	20 - 600 °C	1,9
Dry to Fired Shrinkage [%]	4,0	
Water Absorption [%]	8,0	

Casting Advice

Dolaflux B 11 : Giessfix 162	1 : 2		
Optimum Amounts	0,26%	-	0,29%
First deflocculant and afterwards, add the powder under slow stirring to the water.			
Specific Weight to Achieve	1780	-	1800 g/l
Flameproof - T needs about 41 l water per 100 kg powder to achieve s.w. of 1790 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.



Sibelco Deutschland GmbH
Sälzerstraße 20
56235 Ransbach-Baumbach
DEUTSCHLAND

Tel.: +49 2623 8828-0
Fax: +49 2623 8828-92
E-Mail: kontakt@sibelco.de

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Sibelco Deutschland GmbH
Sälzerstraße 20, 56235 Ransbach-Baumbach, Germany
Tel. +49 (0) 2623 83-0, Fax +49 (0) 2623 83-1499
Geschäftsführer Michael Klaas
www.sibelco.eu