

Characteristics

GR - T / Neu is a red earthenware body for casting.
Available as blended powder (GR - T / Neu) and as casting slip in buckets (GR).

Firing Colour	rose - terracotta
Recommended Firing Temperature Range	1000 - 1150 °C

Technical Data

Unfired

Moisture	0,6% powder							
Chemical Analysis	SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	K ₂ O	Na ₂ O
	69,6%	1,20%	17,6%	3,50%	4,60%	0,60%	2,70%	0,20%
Loss of Ignition	8,3%							
Wet to Dry Shrinkage	4,4% casting							

Fired

Specimen Firing Temperature [°C]	1040	
Coefficient of Thermal Expansion [x10 ⁻⁶ /°C]		
	20 - 400 °C	7,1
	20 - 500 °C	7,5
	20 - 600 °C	8,9
Dry to Fired Shrinkage [%]	0,4	
Water Absorption [%]	12,0	

Casting Advice

Dolaflux B 11 : Giessfix 162	1 : 2		
Optimum Amounts	0,17%	-	0,22%
First deflocculant and afterwards, add the powder under slow stirring to the water.			
Specific Weight to Achieve	1780	-	1800 g/l
GR - T / NEU needs about 43,5 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			

- use the right amount of deflocculant to achieve optimum casting time
casting rate after 45 minutes: 3.8 - 4.2mm
- 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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