

Phosphate-bonded fine-grain precision investment

material for the sophisticated model casting

technique. Suitable for the Speed technique!

ONLY FOR DENTAL USE BY QUALIFIED PERSONNEL

D-74722 Buchen-Hettinger

Feguramed GmbH Jahnstr. 2, 74722 Buchen Germany Tel. +49 (0)6281/5227-0 FAX -15 www.feguramed.com

MADE IN GERMANY

Instructions for use

1. Indication

- **MO SPEED 20** is a phosphate-bonded, thermally stabilised precision investment material for the model casting technique. A silky smooth casting surface results from the particularly fine-grain composition.
- **MO SPEED 20** is suitable for the Speed technique directly at 850 900 °C as well as preheating, taking holding times and end temperature into consideration.
- Suitable for both silicone and gel duplication

2. Technical data

Processing parameters	Recommended value			
Temperature powder and liquid	21 - 23℃			
Mixing ratio	Models: 200 g powder : 40 Liquid concentration app Over-bedding: 2 x 200 g powder Liquid concentration app	orox. 60% to 70% : 80 ml liquid		
Stirring time under vacuum	2 min. under vacuum	2 min. under vacuum		
Processing time	5 - 6 min.			

3. Important information

- Before use, always follow the safety instructions specified below.
- Use the special mixing beaker and spatula to mix MO SPEED 20. Do not bring into contact with plasters.
- Protect MO SPEED 20 Liquid against frost!
 - The best and most consistent results are achieved with a stable storage temperature for the powder and liquid of 20 – 23 ℃. We recommend storage with air-conditioned cabinets from Feguramed.

4. Duplicating the master model with silicone or gel

Prepare the master model in the usual way, then duplicated with Fegura® Sil hydro special II (REF 2115), Fegura® Sil AD special (REF 2022), Fegura® Sil quick (REF 1080) or Fegura® Sil extra hard or gel Fegura® Gel SF (REF 2220).

5. Production of the duplicate model

	200 g powder : 40 ml liquid	60%	70%
	Liquid concentration 60 - 70%	24 ml Liquid + 16 ml demin. water	28 ml Liquid + 12 ml demin. water

MO SPEED 20 Liquid is supplied as a 100% concentrate and has to be diluted with demineralized water to the recommended concentration of approx. 60% - 70%. The model and over-bedding should be mixed with the same concentration.

Expansion control

approx. 60 – 70 % approx. 60 % concentrate for gel duplication

concentrate

for silicone duplication

Present Liquid, add powder and stir by hand with the spatula for approx. 30 sec. until the investment

material is fully wettened, then mix for 2 min. under vacuum.

- The processing time is 5 6 min. at 22°C. Heat reduces the processing time and cold increases it! ٠
- Allow models to harden in the silicone mould or gel mould for **30 min.** without shock. •

	duplicated wit			luplicated with gel				
		D 20 hardens, dry for ap						
		heater plate (REF 2290		conditioned cabinet preheated to $170 \ \text{C} - 200 \ \text{C}$ fo r approx. 45				
	allow to cool down to hand warmth. Modelling can then take place immediately.			min. and then immerse in Feguradur (cold immersion hardener) (art. no.: 2230) for 10-15 sec. and harden again for 10 min. at the same furnace temperature.				
	Ear improved a	dhasian of the way a		· · · · · · · · · · · · · · · · · · ·	of an adhesive is recommended,			
	•	spray (REF 2130) o						
6. Inv	esting - over-be	dding						
3)	400 g powder	r : 80 ml liquid		60%	70%			
	Liquid conce	ntration 60 - 70%	48 ml Liquid +	32 ml demin. water	56 ml Liquid + 24 ml demin. water			
0	The model and over-bedding should be mixed with the same concentration.							
F	Pour out the c	asting mould at a m	id-range vibration	al frequency and im	mediately leave it to harden without			
Ľ					the investment material model w			
		self-adhesive crepe						
					e plate of the preheated furnace.			
. The	e preheating pro		-					
<u></u>	Speed technig	ue:						
게	Place the muffle	e in the furnace prehe	eated to the end to	emperature.				
	End temperate	ure: 850 - 900℃ H	Holding times: 60	- 70 min.				
	Duck cotin a wit	h. h. a. l. d'an ar d'ann a a .						
	Preneating wit	h holding times:	Temperature in °	Holding time in m	in			
		℃/min.	remperature in t					
	1 ot otogo	5℃/min.	280°C	40 min.				
	1st stage 2nd stage	7℃/min.	280°C	30 min.				
		7 0/1111.	300 C	50 mm.				
	-	000/	050 0000	CO				
	3rd stage*	9℃/min.	850 - 900℃	60 min.**				
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