Model blitsmassa nr 2
RESIN

Vanhooren polyester Brugge
Oostendesteenweg 99
8000 Brugge
Tel :050/31.68.99
Fax : 050/31.61.42

PHYSICAL PROPERTIES			WF : without filler F : filled with 150 % RZ 30150	
		PART A	**PART B**	**MIXING**
Mixing ratio by weight	WF	**100**	**100**	
Mixing ratio by volume	WF	**100**	**91**	
Composition		Polyol	Isocyanate	
Physical appearance : liquid	WF	Milky	Dark amber	Beige
	F	Milky	Dark beige	Beige
Brookfield viscosity	WF	120 ± 20 mPa.s	40 ± 5 mPa.s	80 ± 10 mPa.s
at 25°C	F	900 ± 100 mPa.s	900 ± 100 mPa.s	1000 ± 100 mPa.s
Specific gravity at 25°C	WF	1.00 ± 0.02	1.10 ± 0.02	1.05 ± 0.02
	F	1.55 ± 0.03	1.62 ± 0.03	1.58 ± 0.02
Gel time (200 gr) at 25°C	WF			2 min. 20 s ± 10

Krimp van de model blitsmassa 2 zonder vuller is ongeveer 0,8 mm per meter bij een gietdikte van 3 mm.

MECHANICAL AND THERMAL PROPERTIES				
Final hardness *	(ISO 868)	WF	D Shore	72 ± 2
Glass transition temperature (Tg) after 30 min. at room temperature and 2 hr at 80°C		WF	°C	100
Tensile strength *	(ISO 527)	WF	MPa	20 + 2
Compressive yield strength *	(ISO 604)	WF	MPa	33 + 2
Flexural strength *	(ISO 178)	WF	MPa	37 + 2
Flexural modulus of elasticity *	(ISO 178)	WF	MPa	1000 + 100
Linear shrinkage (50 mm thickness)		F	mm/m	1.8 ± 0.2
Demould time (10 mm thickness)		WF	min.	30
Demould time (40 mm thickness)		F	min.	20

* Curing conditions of specimens : 7 days at room temperature

Model blitsmassa nr 2
RESIN

Vanhooren polyester Brugge
Oostendesteenweg 99
8000 Brugge
Tel :050/31.68.99
Fax : 050/31.61.42

APPLICATIONS

Production of thermoforming moulds when filled with aluminium (RZ 209/8) or negatives with minerals fillers (eg.: RZ 30150).

PROPERTIES

Low shrinkage
Low viscosity
Short demould time
1:1 mix ratio
Good heat stability after postcuring
Adjustable filler ratio

PROCESSING

Part A (polyol) must be thouroughly mixed prior to use. For sections thicker than 5 mm, a filler:resin ratio of 150:100 is recommended. Use ATH filler to increase thermal conductivity. Use ATH filler to decrease risk of exotherm and shrinkage. Add fillers into both components before mixing. The compatibility and stability of the fillers and colorants used should be checked, particularly if painting.

PRECAUTIONS

Normal health and safety precautions should be observed when handling these products :
. ensure good ventilation
. wear gloves and safety glasses
For further information, please consult the material safety data sheet.

STORAGE

Shelf life is 6 months in a dry place and in original unopened containers at room temperature (15 - 20°C). Any open can must be tightly closed under dry nitrogen blanket (aerosol BURP).

PACKAGING

PART A	*PART B*
6 x 0.750 kg	*6 x 0.750 kg*
1 x 5.000 kg	*1 x 5.000 kg*
1 x 20.000 kg	*1 x 20.000 kg*

model blitsmassa nr2 is niet UV stabiel in die zin dat het materiaal donkerder van kleur gaat worden, UV licht heeft verder geen invloed op de mechanische eigenschappen, het zal hoogstens door de warmte ontwikkeling beter uitharden en dus iets harder en temperatuur bestendiger worden.

GUARANTEE

The information contained in this technical data sheet result from research and tests conducted in our Laboratories under precise conditions. It is the responsibility of the user to determine the suitability of Vanhooren Polyester Brugge products, under their own conditions before commencing with the proposed application. Vanhooren Polyester Brugge guarantee the conformity of their products specifications but cannot guarantee the compatibility of a product with any particular application. Vanhooren Polyester Brugge disclaim all responsibility for damage from any incident which results from the use of these products. The responsibility of Vanhooren Polyester Brugge is strictly limited to reimbursement or replacement of products which do not comply with the published specifications.