

FLEXIBEL EPOXY D550

EPOXY CASTING RESIN
TRANSPARENT – HARDNESS 80 SHORE A

APPLICATIONS

Floral arrangements and inclusions.

PROPERTIES

- *Low viscosity*
- *Selfdegasing*
- *High transparency*
- *Very good UV resistance*
- *The use of the hardener in variable ratio is possible to modify the hardness*

PHYSICAL PROPERTIES				
		RESIN	HARDENER	MIXING
Mixing ratio by volume		100	100	
Mixing ratio by weight		100	90	
Aspect		liquid	liquid	liquid
Color		blue transparent	transparent	transparent
Brookfield LVT viscosity at 25°C (mPa.s)	-	550 - 650	80 - 120	200 - 250
Density of the parts before mixing at 25°C	ISO 1675-85	1.10 – 1.14	0.96 – 1.00	1.03 – 1.07
Open time (10 kg) at 23°C (doubling of mixing viscosity) (hr)	-			6

SPECIFIC PROPERTIES AT 23°C (1)			
Tack free time			
• 50 g to 500 g	-	hours	72
• > 500 g		hours	48
Hardness after 7 days	ISO 868-85	Shore A1 / A15	77 / 45

(1) Average values obtained on standardized specimens

PROCESSING

Weigh the resin and the hardener by volume. Blend with a Jiffy-Mixer until the product becomes homogeneous. When mixing the product could become yellow. It becomes colorless when hardening.

To obtain the highest hardness, the 100/50 mix ratio of resin to hardener can be also used.

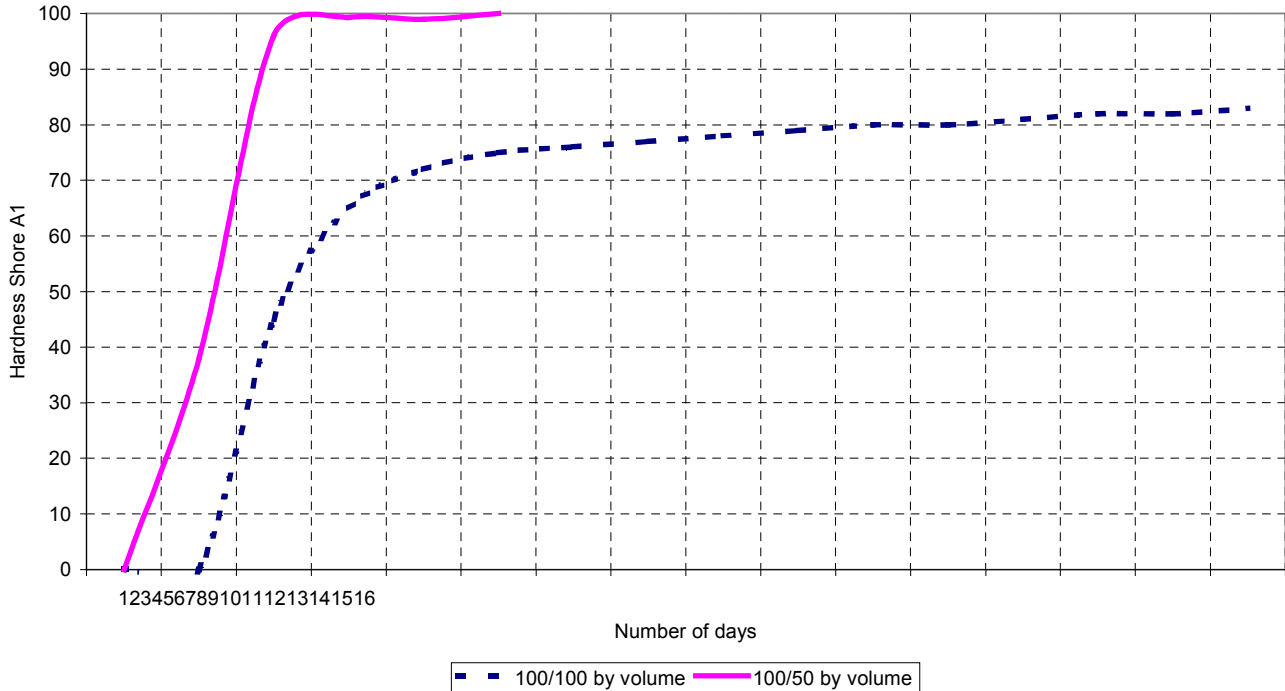
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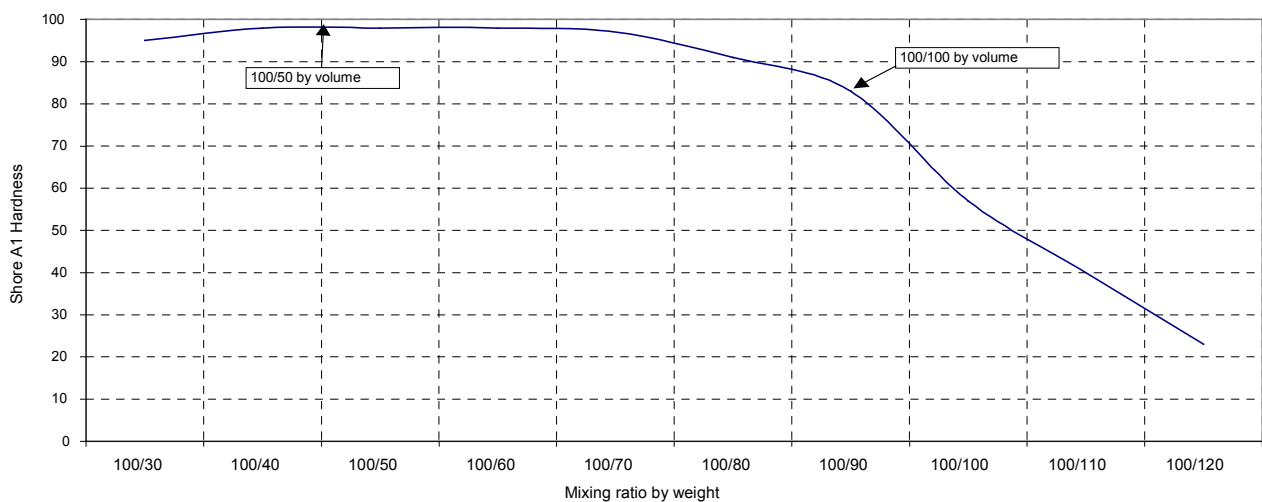
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EVOLUTION OF THE SHORE A1 HARDNESS VS TIME

Quantity : 200g Temperature : 21°C



SHORE A1 HARDNESS VS THE USED MIXING RATIO



Measures carried out after hardening 16 hours at 60°C

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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 product safety data sheet.

STORAGE

Use before 12 months according to the manufacturing date. Expiration date indicated on the packaging.

PACKAGING

Resin

*6 x 1.05 kg
1 x 5.260 kg
1 x 220 kg*

Hardener

*6 x 0.95 kg
1 x 4.740 kg
1 x 200 kg*

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 AXSON products, under their own conditions before commencing with the proposed application. AXSON guarantee the conformity of their products with their specifications but cannot guarantee the compatibility of a product with any particular application. AXSON disclaim all responsibility for damage from any incident which results from the use of these products. The responsibility of AXSON is strictly limited to reimbursement or replacement of products which do not comply with the published specifications.

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