

TRANSPARENT EPOXY CASTING RESIN VARIABLE HARDNESS

APPLICATIONS

Floral arrangements and inclusions.

PROPERTIES

- Low viscosity
- Self-degassing
- 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
Colour		blue transparent	transparent	transparent
Viscosity at 25°C (mPa.s)	BROOKFIELD LVT	600	100	220
Density of parts before mixing	ISO 1675 :1985	1.12	0.98	-
Density of the cured product	ISO 2781 :1988	-	-	1.05
Open time (10 kg) at 23°C (hr) (doubling of mixing viscosity)	-			6

SPECIFIC PROPERTIES AT 23°C (1)			
Tack free time			
• 50 g to 500 g	-	hours	72
• > 500 g		hours	48
Glass transition temperature			
• ratio 100/ 90	T.M.A METTLER	°C	14
• ratio 100/ 45			36
Maximal casting thickness	-	mm	100
Hardness after 7 days – ratio 100/ 90	ISO 868 : 1985	Shore A1 / A15	77 / 45

(1) Average values obtained on standardized specimens, Curing conditions : 7 days at Room Temperature

PROCESSING

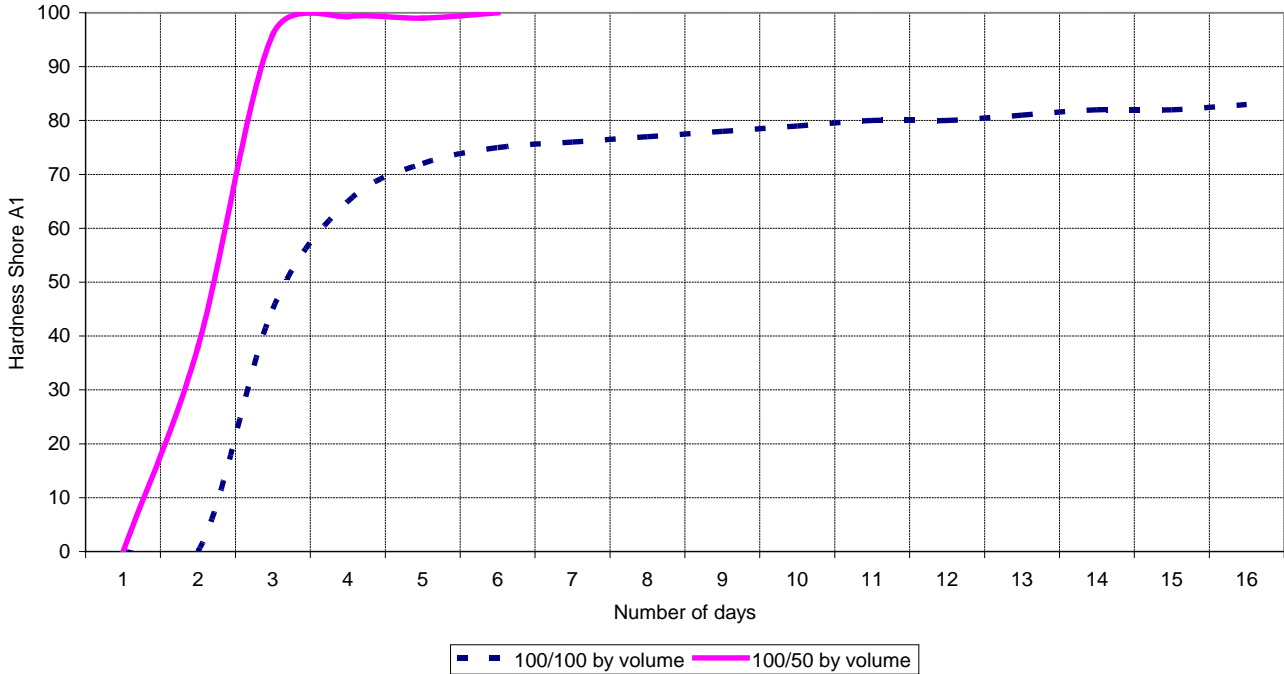
Measure out the resin and the hardener by volume. Mix with a Jiffy-Mixer until the product becomes homogeneous. A slight yellowing may appear when mixing. It becomes colourless when hardening.

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

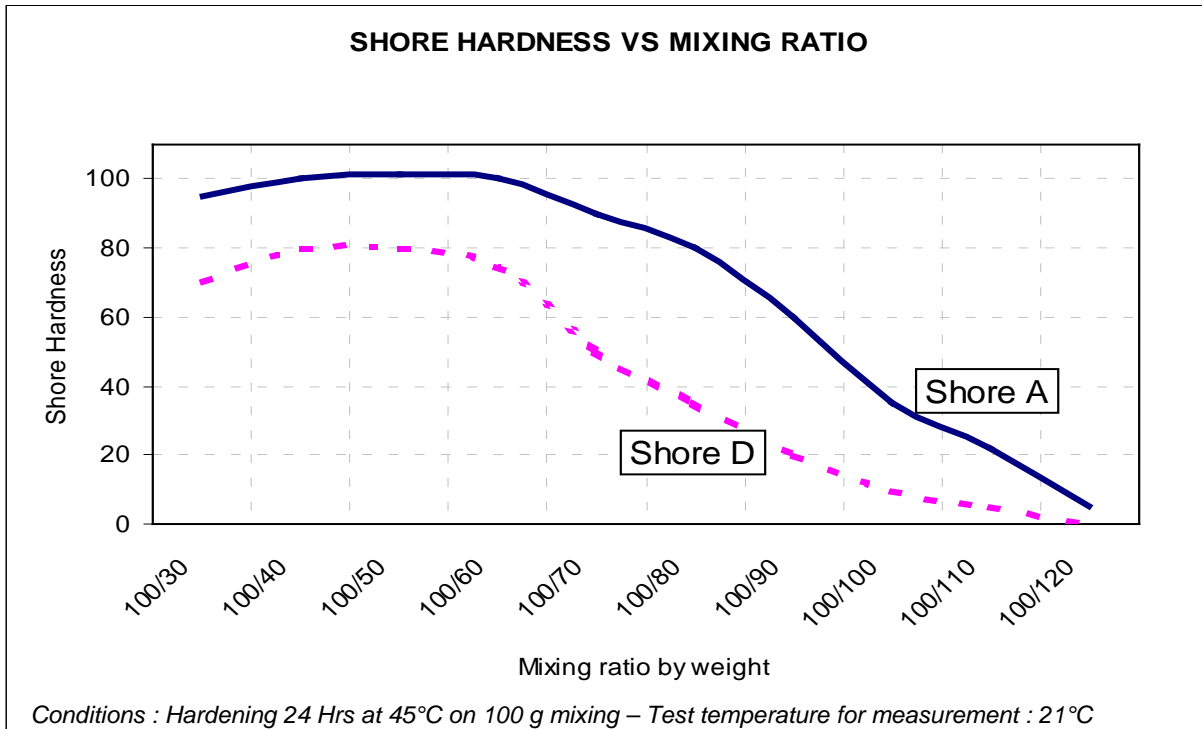
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EVOLUTION OF THE SHORE A1 HARDNESS VS TIME

Quantity : 200g Temperature : 21°C



SHORE HARDNESS VS MIXING RATIO



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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

Shelf life of both parts is 12 months in a dry place and in their original unopened containers at a temperature between 15 and 25°C

PACKAGING

RESIN	HARDENER
6 x 1.05 kg	6 x 0.95 kg
1 x 5.260 kg	1 x 4.740 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.