

EPOXY GEL COAT
CAN BE SANDED – GLOSS RECOVERY
GOOD TEMPERATURE RESISTANCE
GOOD CHEMICAL RESISTANCE

USE

Molds : Polyester RTM, polyurethane foaming.

MECHANICAL AND THERMAL PROPERTIES AT 23°C ⁽¹⁾			
Hardness	ISO 868-85	Shore D1 / D15	87 / 86
Compressive modulus	ISO 604-97	MPa	6000
Compressive yield strength	ISO 604-97	MPa	120
Flexural modulus	ISO 178-93	MPa	4800
Flexural strength	ISO 178-93	MPa	103
Glass transition temperature after curing	T.M.A.-Mettler	°C	130
Glass transition temperature without curing (24hrs at room temperature)	T.M.A.-Mettler	°C	100

(1) : Average values obtained on standardized specimens / Hardening 16 hrs at 25°C + curing described in processing conditions

STORAGE CONDITIONS

Use before 24 months according to the manufacturing date. Expiration date indicated on the packaging.

HANDLING PRECAUTIONS

Normal health and safety precautions should be observed when handling these products :

- ensure good ventilation
- wear gloves, safety glasses and clothes.

For further information, please consult the product safety data sheet.

PACKAGING

Resin

1 x 8.69 kg

12 x 0.326 kg

Hardener

1 x 1.740 kg

Carton de 12 x 0.065 kg

GUARANTEE

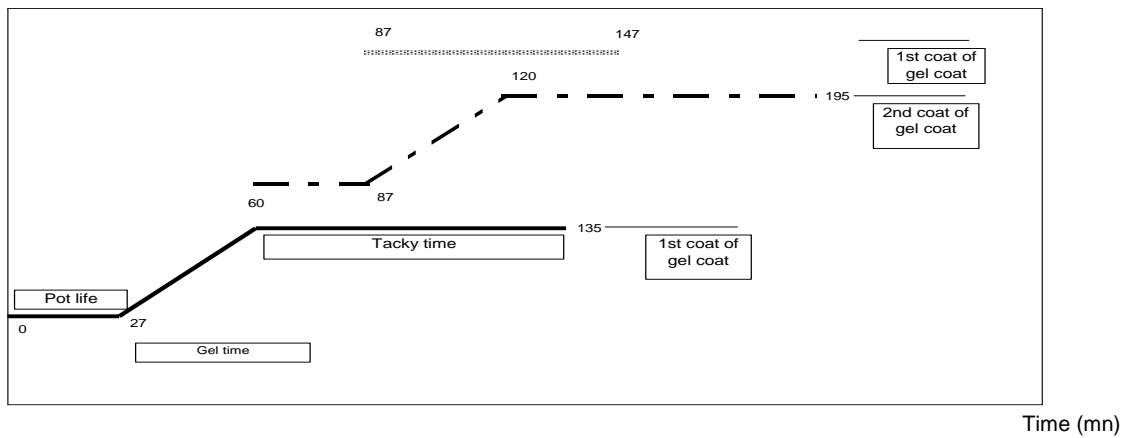
The information of our technical data sheet are based on our present knowledge and the result of tests conducted under precise conditions. It is the responsibility of the user to determine the suitability of AXSON products, under their own conditions before commencing with the proposed application. AXSON refuse any guarantee about 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 guarantee conditions are regulated by our general sale conditions.

The technical data sheet and the safety data sheet are also available on our website : www.axson.com

Page 1/2 01082

PHYSICAL PROPERTIES				
		RESIN GC1 150	HARDENER GC 15	MIXING
Mixing ratio by weight		100	20	
Aspect		paste	liquid	thick liquid
Color		dark blue	light amber	dark blue
Brookfield LVT viscosity at 25°C (mPa.s)	-	thixotrope	850	thixotrope
Density at 25°C	ISO 1675-85	1.25 – 1.35	1.05 – 1.09	-
Density of the cured product	ISO 2781-88	-	-	1.25 – 1.26

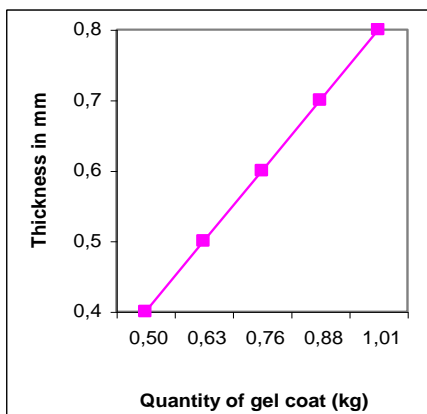
Application diagram of GC1 150/GC 15
(Application temperature : 23°C Mass 390 g)



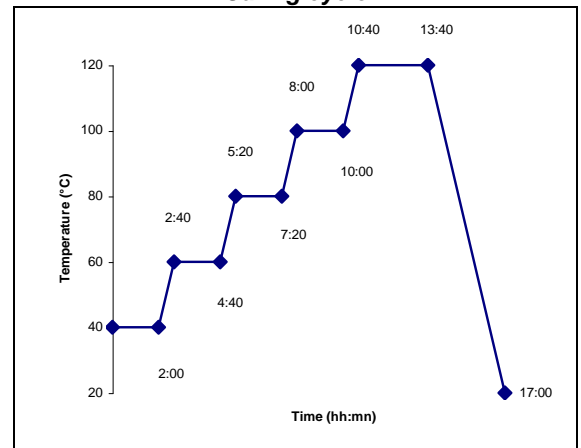
PROCESSING CONDITIONS

- Apply DEMOLDING AGENT 841 or WAX 827 on a non porous pattern.
- Back-up : EPOLAM 2050 and reinforcements EPO 4030

Quantity of gel coat for production of 1 m² surface
(for information only)



Curing cycle



Initial stabilization 16 hrs at room temperature