

DESCRIPTION

Surface coating moulds or parts requiring a good abrasion resistance.

PROPERTIES

- High abrasion resistance
- High chemical resistance

PHYSICAL PROPERTIES				
Composition		RESIN GC2 120	HARDENER GC 12	MIXED
Mix ratio by weight		100	15	
Aspect		paste	liquid	thick liquid
Colour		light green	light amber	light green
Viscosity at 25°C (mPa.s)	BROOKFIELD LVT	thixotropic	1,800	thixotropic
Specific gravity at 25°C (g/cm ³)	ISO 1675 : 1985	1.55	1.12	-
Specific gravity of cured product at 23°C	ISO 2781 : 1996	-	-	1.48

MECHANICAL PROPERTIES at 23°C (1)			
Hardness	ISO 868 : 2003	Shore D1 / D15	89
Flexural modulus	ISO 178 : 2001	MPa	5,000
Flexural strength	ISO 178 : 2001	MPa	115
Compressive modulus	ISO 604 : 2002	MPa	6,300
Compressive strength at yield	ISO 604 : 2002	MPa	110
Glass transition temperature (Tg)	ISO 11359 : 2002	°C	120
Abrasion loss weight (Lhomargy)	ASTM D3389-94	g	0.03

(1) : Average values obtained on standard specimens / Hardening 16 hours 110°C

PROCESSING CONDITIONS

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

STORAGE CONDITIONS

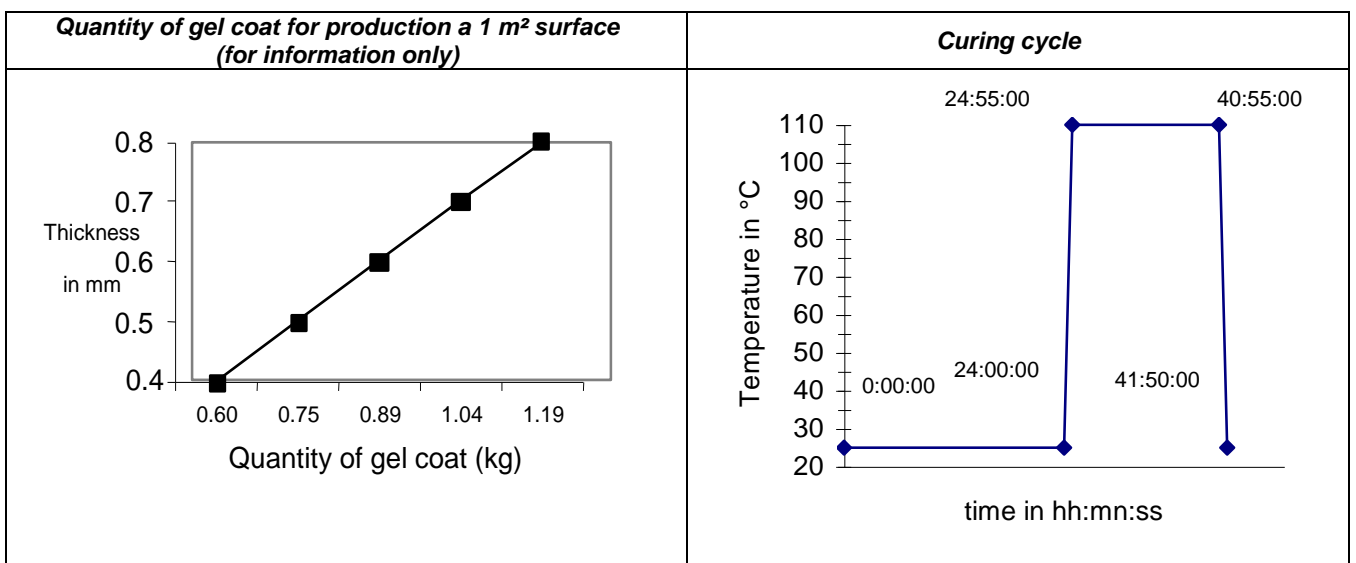
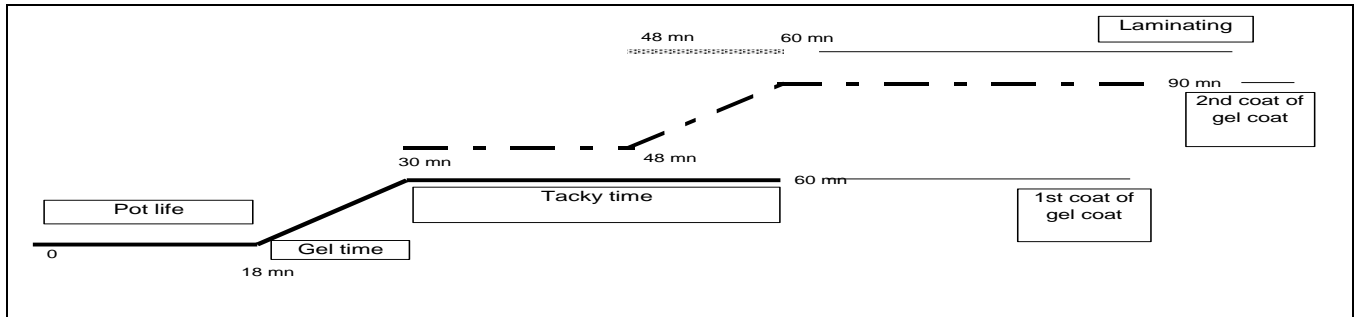
Use within 24 months of the manufacturing date. Expiry date indicated on the packaging.

HANDLING PRECAUTIONS

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

- Ensure good ventilation
 - Wear gloves, safety glasses and waterproof clothes.
- For further information, please consult the product safety data sheet.

Application diagram of GC2 120 / GC 12
(Application temperature: 23°C- Mass 460 g)



PACKAGING

RESIN	HARDENER
1 x 10 kg Pack of 12 x 0.4 kg	1 x 1 kg Pack of 12 x 0.060 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.