

DESCRIPTION

- *Negatives and tools*
- *Checking fixtures or positioning models*
- *Designed for fillets and reinforcements*
- *Alternative to standard lamination techniques for production of laminates*

PROPERTIES

- *Low odour*
- *Low density*
- *Very easy to mix and apply*

PHYSICAL PROPERTIES				
Composition		RESIN EPOPAST 402	HARDENER EPOPAST 401	MIXED
Mix ratio by weight		100	14	
Aspect		fibrous paste	liquid	fibrous paste
Colour		white	green	green
Specific gravity at 25°C	ISO 1675 : 1985	0.68	0.97	-
Specific gravity of cured product at 23°C	ISO 2781 : 1996	-	-	0.72
Pot life at 25°C on 570 g (min)	Gel Timer TECAM			90 - 110

MECHANICAL PROPERTIES at 23°C (1)				
Flexural modulus		ISO 178 :2001	MPa	4,100
Flexural strength		ISO 178 :2001	MPa	43
Hardness		ISO 868 : 2003	Shore D1 / D15	77 / 74

(1) : Average values obtained on standard specimens / Hardening 16 hr at 60°C

PROCESSING CONDITIONS

The mixing is carried out by hand for quantities below 1 kg and for larger quantities with a planetary mixer. Obtaining a homogeneous colour means the quality of the mixture obtained. The application on the support is hand made by particularly pressing in sharp and salient angles

Remark: *To obtain a surface coat (surface aspect, chemical resistance), apply EPOPAST 402 on a gel coat. It is always recommended to apply the laminating paste on a tacky but not cured gel coat.*

Recommended gel coats : GC1 080, GC1 050

Recommended binder layer : EPOLAM 2010

THERMAL AND SPECIFIC PROPERTIES (1)

Glass transition temperature (Tg)	ISO 11359 : 2002	°C	60
Maximal laminating thickness	-	mm	40
Coefficient of thermal expansion (CTE) (+10° to +60°C)	ISO 11359 : 1999	10 ⁻⁶ K ⁻¹	24
Demoulding time at 25°C	-	hours	12
Complete hardening time at 25°C	-	day	5

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.

STORAGE CONDITIONS

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

Any open can must be tightly closed under dry inert gas (dry air, nitrogen, etc.).

PACKAGING

RESIN EPOPAST 402
10 kg

HARDENER EPOPAST 401
1.4 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.