

DESCRIPTION

Designed for production of windsurf boards, surfing boards and any transparent top-coating laminate by wet lay-up methods.

PROPERTIES

- Very low viscosity
- U.V. resistance

- High transparency
- Fast curing

PHYSICAL PROPERTIES					
Composition		RESIN	HARDENER	MIXING	
Mix ratio by weight		100	40		
Aspect		liquid	liquid	liquid	
Colour		transparent blue	colourless	transparent blue	
Viscosity at 25℃ (mPa.s)	BROOKFIELD LVT	1,800	35	500	
Specific gravity at 25 °C Specific gravity of cured product at 23 °C	ISO 1675 : 1985 ISO 2781 : 1996	1.16	0.98	- 1.15	
Pot life at 25 °C on 500 g (min) - without accelerateur - with 5 phr ACCELERATOR EPOLAM 2020*	Gel Timer TECAM			28 11	

For top-coating RSF 816 resin can be accelerated by adding EPOLAM 2020 accelerator : Use 5 phr of EPOLAM 2020 accelerator (5 g of EPOLAM 2020 accelerator in 140 g of mixed resin and hardener)

MECHANICAL AND THERMAL PROPERTIES at 23 °C (1)				
Flexural modulus	ISO 178 :2001	MPa	3,200	
Flexural strength	ISO 178 :2001	MPa	115	
Tensile strength	ISO 527 :1993	MPa	60	
Elongation at break	ISO 527 :1993	%	5	
Impact strength (CHARPY) Unnotched specimens	ISO 179/1eU :1994	kJ/m ²	15	
Hardness	ISO 868 :2003	Shore D1/ D15	82	
Glass temperature transition (Tg) Curing - 16hr at 23 $^{\circ}$ + 16hr at 40 $^{\circ}$ - 16hr at 23 $^{\circ}$ + 16hr at 80 $^{\circ}$	ISO 11359 : 2002	°C	60 75	
Demolding time @ 23°C on laminate (5 plies / glass fabric 290 g/m ²)	-	hr	16	

(1) : Average values obtained on standard specimens / Curing 16 hr at 23 $^\circ$ C + 16hr at 40 $^\circ$ C

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RSF 816

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

Shelf life is 6 months in a dry place and in original unopened containers at a temperature between 15 and 25°C. Any open can must be tightly closed under dry nitrogen blanket.

PACKAGING

RESIN	HARDENER	
1 x 1 kg	1 x 0.4 kg	
6 x 1 kg	6 x 0.4 kg	
1 x 3.5 kg	1 x 1.4 kg	
1 x 200 kg	1 x 18 kg	
1 x 2,000 kg	Ŭ,	

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.