

APPLICATIONS

General purpose epoxy laminating system for the production of fiber-reinforced laminates, surface coat and concrete back-up with the addition of fillers.

PROPERTIES

- Low viscosity
- Easy to use
- Good wetting ability of fibers
- Good adherence between layers

PHYSICAL PROPERTIES at 25°C				
	EPOLAM 2008 RESIN	EPOLAM 2008/F HARDENER	EPOLAM 2008/S HARDENER	Mixing
Mix ratio by weight	100	20	25	-
Aspect	liquid	liquid	liquid	liquid
Colour	Light amber	Light yellow	Light yellow	Light yellow
Brookfield Viscosity (mPa. s)	1000	350	300	700 - 800
Specific gravity at 25°C (g/cm ³)	1.15	0.95	0.95	1.10
Pot life at 25°C (min)	-	20 - 30 (120g)	50 - 60 (125g)	-

PROCESSING

For the laminating:

Choose the adopted hardener according to the dimension and complexity of the application, mix it with resin homogeneously and then impregnate the fiber reinforcement by appropriate method.

For gel coat:

After mixing RESIN and HARDENER, add the fillers to obtain a gel. Apply with a brush on a mould prepared (polished wax).

For concrete back-up:

Weight the resin and hardener according to the mixing ratio and mix them to get a homogenous liquid, then mix with the related fillers depends on application (aluminum, sand or other fillers). Tamp down this concrete onto the laminate.

MECHANICAL PROPERTIES AT 23°C ⁽¹⁾				
Mixed EPOLAM 2008 RESIN with			EPOLAM 2008/F HARDENER	EPOLAM 2008/S HARDENER
Final hardness	ISO 868 : 2003	Shore D	82	81
Flexural modulus	ISO 178:2001	MPa	2500	2400
Flexural strength	ISO 178:2001	MPa	80	90
Tensile strength	ISO 527:1993	MPa	50	50
Elongation at break	ISO 527:1993	%	5	4

THERMAL AND SPECIFIC PROPERTIES				
Mixed EPOLAM 2008 RESIN with			EPOLAM 2008/F HARDENER	EPOLAM 2008/S HARDENER
Glass transition temperature	ISO 11359 : 2002	°C	70	65
Maximal laminating thickness	-	mm	6 - 8	10 - 12
Demoulding time at 23°C	-	hr	16 - 20	20 - 24
Complete hardening time at 23°C	-	d	3	5

*(1) These values are determined on pure resin systems without any reinforcement
Hardening conditions of specimens: 24 hours at room temperature and 6 hours at 55°C*

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 within 24 months after manufacturing date. Expiry date indicated on the packaging.

PACKAGING

EPOLAM 2008 RESIN

1× 20 kg

EPOLAM 2008/F HARDENER

1× 4 kg

EPOLAM 2008/S HARDENER

1× 5 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.