

APPLICATIONS

Used for evolutionnal shapes by the splinning technique (master models, mock-ups etc). The system is machinable with wood tools after polymerization. It allows bonding and repairing of machinable boards such as PROLAB 65 or MODELLAB.

PROPERTIES

Good machinibility

Mixing possible with SC 258 Resin / SC 258 Hardener to modify the rheology of the product.

PHYSICAL PROPERTIES			
	RESIN EPOLAM 2020	HARDENER SC 258	MIXING
Mixing ratio by weight	100	150	
Mixing ratio by volume at 25°C	100	510	
Aspect	liquid	paste	paste
Color	colorless	light brown	light brown
Density of parts before mixing	1.15 - 1.19	0.48 - 0.52	0.76 - 0.80
Density of the cured product			
Pot life on 250 g @ 25°C (min.)			40 - 50

MECHANICAL PROPERTIES AT 23°C (1)			
Hardness	ISO 868-85	Shore D15	65
Compressive strength	ISO 604-97	MPa	28
Flexural strength	ISO 178-93	MPa	25
Flexural modulus of elasticity	ISO 178-93	MPa	1,300

(1) Average values obtained on standardized specimens / Hardening 7 days at 23°C.

PROCESSING

Add progressively the SC 258 hardener in the EPOLAM 2020 resin in order to obtain a homogenous mixing. Mixing can be carried out by hand or with a planetary agitator. Then apply on the support to be developed.

THERMAL AND SPECIFIC PROPERTIES AT 23°C (1)

Glass transition temperature	TMA-METTLER	°C	51
Coefficient of linear expansion (C _L TE) [+5 / +40]°C	TMA-METTLER	10 ⁻⁶ .K ⁻¹	75
Maximal applying thickness		mm	10
Maximal thickness in vertical surface	-	mm	5
Hardening time before machining (10 mm)		hr	7
Complete hardening time at 23°C		d	4

STORAGE

Shelf life is 12 months in a dry place and in original unopened containers **at a temperature between 15°C and 25°C.**

PRECAUTIONS

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

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

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

PACKAGING

EPOLAM 2020 RESIN

1 x 5 kg
1 x 20 kg

SC 258 HARDENER

1 x 5 kg
1 x 10 kg

GUARANTEE

The information contained in this technical data sheet result from research and tests conducted in our Laboratories 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 guarantee the conformity of their products with their specifications but cannot guarantee 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 responsibility of AXSON is strictly limited to reimbursement or replacement of products which do not comply with the published specifications.

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