

DESCRIPTION

S 11 Blue is a two component light bodied surface coat system designed for use in plastic-faced plaster (PFP) applications. Its excellent thixotropy enables it to stay in place on a vertical surface and provides superior edge coverage over sharp radius. It has excellent handling properties, going on smoothly and evenly without drag on the brush.

APPLICATIONS

- Plastic-faced plaster tooling
- Prototypes, patterns and core boxes
- Master models, Keller Models
- Trim fixtures, holding fixtures
- Duplication splashes

PROPERTIES

- Easy handling properties
- Low shrinkage, long term dimensional stability
- Bonds to wet plaster or concrete
- Low odor – NO BGE
- Excellent coverage, fast setting, chip resistant

PHYSICAL PROPERTIES			
		S 11 Blue Resin	S 11 Hardener
Composition		Epoxy	Amine
Mix ratio by weight		100	16
Aspect		Thixotropic liquid	Liquid
Color		Light blue	Clear amber
Mixed specific gravity at 77°F (25°C)	ASTM D792		1.22
Mixed viscosity (cps) at 77°F (25°C)	ASTM D2393		25,000
Pot life at 77°F (25°C) (minutes)	ASTM D2471		15
Demold time (hours)			8

PROCESSING

Carefully weigh out appropriate amounts of resin and hardener into clean mixing container and thoroughly mix until all streaks and striations are gone. Take extra care to scrap the sides and bottom frequently to insure complete mixing. CAUTION: Unmixed compound from sides or bottom can cause soft spots or uncured areas in the completed casting. To prevent this it is advisable to transfer entire mixture to second clean container and remix for short time before using.

MECHANICAL and THERMAL PROPERTIES⁽¹⁾			
Hardness	ASTM D2240	Shore D1	88
Flexural Strength	ASTM D790	psi (MPa)	7,000 (48)
Compressive Strength	ASTM D695	psi (MPa)	11,000 (76)
Tg	TMA	°F (°C)	200 (93)

⁽¹⁾ *The above properties were obtained under laboratory conditions using standardized specimens. Cured 7 days at room temperature*

STORAGE CONDITIONS

This product has a shelf life of 12 months as indicated by the expiration date on the container when stored in original unopened containers between 59 – 77°F (15 – 25°C). Any opened can must be tightly closed.

HANDLING PRECAUTIONS

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

- *Ensure good ventilation*
- *Wear gloves, safety glasses and impervious clothes.*

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

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