

Advanced Materials**Epocast[®] 1488-A/B****EPOXY SYNTACTIC**

- Low Density
- Quick Setting
- Low Viscosity, Pourable

DESCRIPTION :

Epocast[®] 1488-A/B epoxy syntactic is a reddish-brown, two-part compound which can be easily machined and sanded. The low-viscosity system can be easily poured into small honeycomb cell sizes. Epocast[®] 1488-A/B epoxy syntactic cures at room temperature and may be accelerated with heat for shorter cure time. Epocast[®] 1488-A/B epoxy syntactic is qualified to BMS 5-28, Type 4.

TYPICAL PROPERTIES AS RECEIVED :

<u>Property</u>	<u>1488-A Resin</u>	<u>1488-B Hardener</u>	<u>1488-A/B System</u>	<u>Test Method</u>
Color	Red-brown	Amber	Red-brown	Visual
Density, g/cc.	0.64	1.00	0.80	ASTM-D-1622
Viscosity, cP at 77°F (25°C)	85,000	350	15-25,000	ASTM-D-2196
Gel time, 60 gms at 77°F (25°C), minutes	--	--	25 -45	ASTM-D-2471
Shelf life at 77°F (25°C), unopened, months	12	12	--	--

MIX RATIO :

To 100 parts by weight of Epocast[®] 1488-A resin, add 25 parts by weight of Epocast[®] 1488-B hardener. Mix both components thoroughly for several minutes to insure complete and uniform mixing.

CURE SCHEDULE :

24 hours at room temperature or gel at room temperature plus 5 hours at 125°F (52°C).

TYPICAL CURED PROPERTIES (Not for specification purposes)

<u>Test</u>	<u>Result</u>	<u>Test Method</u>
Compressive strength at 77°F (25°C), psi (MPa)	4,000 (27.6)	ASTM-D-695
Compressive modulus at 77°F (25°C), Ksi (MPa)	150 (1,034)	ASTM-D-695
Tensile lap shear strength, chromic acid etched AL/AL, psi (MPa)	1200 (8.3)	ASTM-D-1002
Weight gain on immersion after 24 hours at 77°F (25°C), %		ASTM-D-543
TT-S-735, Type III test fluid	1.5	
Mil-M-5606, hydraulic fluid	1.5	
Skydrol 500-A	3.5	
Distilled water	2.0	

STORAGE/ Syntactic epoxy resins and hardeners should be stored in a dry place in their original, sealed

SHELF LIFE : containers at temperatures from 60-90°F (16-32°C). Material temperatures should be above

65°F (18°C) when mixing. After use, tightly reseal containers. Frozen materials should be stored at 0°F (-18°C) or colder and allowed to thaw at room temperature before use.

Under these conditions, syntactic epoxy resins and hardeners will remain useable for 12 months from date of shipping from Huntsman.

CAUTION :

Huntsman Advanced Materials Americas Inc. maintains up-to-date Material Safety Data Sheets (MSDS) on all of its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Users should review the latest MSDS to determine possible health hazards and appropriate precautions to implement prior to using this material. Copies of the latest MSDS may be requested by calling our customer service group at 800-367-8793 or emailing your request to adhesives_group@huntsman.com.

FIRST AID !

Eyes and skin: Flush eyes with water for 15 minutes. Contact a physician if irritation persists. Wash skin thoroughly with soap and water. Remove and wash contaminated clothing before reuse.

Inhalation: Remove subject to fresh air.

Swallowing: Dilute by giving water to drink and contact a physician promptly. Never give anything to drink to an unconscious person.

KEEP OUT OF REACH OF CHILDREN**FOR PROFESSIONAL AND INDUSTRIAL USE ONLY**

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