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**Technical Information**

**EPOCAST® 1606-A/B**

*High Temperature Potting Compound*

- *Self Extinguishing*
- *High Strength*
- *350°F Performance*

**DESCRIPTION**

*Epocast 1606-A/B is a two part epoxy core potting compound. It is an aluminum colored, medium viscosity system which can be easily injected into small cell structures. It is self extinguishing and cures rapidly with minimal post cures. Epocast 1606-A/B sands and machines easily and may be used for core splicing, fastener and attachment potting and edge reinforcing in honeycomb panels.*

**TYPICAL PROPERTIES AS RECEIVED**

<u>Property</u>	<u>1606-A</u>	<u>1606-B</u>	<u>1606-A/B</u>	<u>Test-Method</u>
Color	gray	dk amber	gray	Visual
Specific gravity	1.38	1.00	1.35	ASTM-D-792
Viscosity, centipoise	135,000	5,200	37,000	ASTM-D-2393
Flash point, COC, °F	300	340	-	ASTM-D-92
Work life, 100 gms at 77°F, minutes	-	-	60-80	ASTM-D-1338
Shelf life at 77°F, unopened, months	12	12	-	FTM-204
Solids, %	-	-	100	ASTM-D-1644

**MIX RATIO**

*To 100 parts by weight of Epocast 1606-A, add 18 parts by weight of Epocast 1606-B. Mix both components thoroughly for several minutes to assure complete blending.*

**CURE SCHEDULE**

*7 days at 77°F, or 1-1/2 hours at 260°F, or 1 hour at 350°F. High temperature properties are improved by an elevated temperature post cure.*

**TYPICAL CURED PROPERTIES (Not for specification purposes)**

<u>Test</u>	<u>Result</u>	<u>Test-Method</u>
Maximum Service temperature, °F	350	ASTM-D-648
Compressive strength at 77°F after 24 hours at 77°F, psi	14,000	ASTM-D-695
at 77°F after 1-1/2 hours at 260°F, psi	24,500	
at 77°F after 14 days at 350°F, psi	26,000	
at 350°F after 7 days 77°F, psi	2,250	
at 350°F after 14 days at 350°F, psi	4,550	
at 300°F after 14 days at 300°F, psi	7,400	
Flammability	self extinguishing	

**IMPORTANT NOTICE REGARDING THIS INFORMATION**

This data is based on information believed to be reliable and is offered in good faith, but FURANE PRODUCTS COMPANY MAKES NO WARRANTIES, EITHER EXPRESS OR IMPLIED AS TO ITS ACCURACY AND ASSUMES NO LIABILITIES ARISING OUT OF ITS USE BY OTHERS as conditions and methods of use of the products are beyond Furane Products Company's control. The prospective user should determine the suitability of the product before using it on a commercial scale.

Furane Products Company warrants only that the product will conform to its chemical descriptions. FURANE PRODUCTS COMPANY MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED AND EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL FURANE PRODUCTS COMPANY BE RESPONSIBLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER THE CLAIM IS IN CONTRACT, NEGLIGENCE OR OTHERWISE. Suggestions for uses of our products or the inclusion of descriptive material from patents and the citation of specific patents in this publication should not be understood as recommending the use of our products in violation of any patent or as permission or license to use any patents of Furane Products Company.

**EPOCAST 1606-A/B****PACKAGING & SHIPPING INFORMATION**

*Epocast 1606-A is a nonrestricted article. Epocast 1606-B is a corrosive liquid.*

**ENVIRONMENTAL INFORMATION**

*When used properly, this material is safe to handle and poses no environmental hazard. Spills should be contained with absorbent material and transferred to a closed container for disposal. Unreacted components should be handled carefully. Observe all precautionary statements that appear on the product label. Users should investigate all applicable waste regulations before disposal.*

**FOR PROFESSIONAL & INDUSTRIAL USE ONLY****CLEANLINESS & SAFETY****EPOCAST 1606-A**

**WARNING!** CAUSES EYE IRRITATION. CAUSES SKIN IRRITATION AND POSSIBLE ALLERGIC SKIN REACTION. HARMFUL IF INHALED. HARMFUL IF SWALLOWED. Avoid contact with eyes, skin, or clothing. Wear eye protection and impervious gloves when handling. Wash skin thoroughly after handling. Avoid breathing vapor or mist. Keep container closed when not in use. Use only with adequate ventilation. Do not take internally.

**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.

**EPOCAST 1606-B**

**DANGER!** CORROSIVE. CAUSES EYE AND SKIN BURNS AND POSSIBLE ALLERGIC SKIN REACTION. VAPOR IRRITATING TO EYES, SKIN AND NASAL MUCOUS MEMBRANES. HARMFUL IF SWALLOWED. Do not get in eyes, on skin, and on clothing. Wear impervious gloves and splash goggles when handling. Wash thoroughly after handling. Avoid breathing the vapor. Keep container closed when not in use. Use with adequate ventilation. Do not take internally.

**FIRST AID!** Eyes and Skin: Flush eyes with plenty of water for 15 minutes and get prompt medical attention. Wash skin thoroughly with soap and water. Remove and wash contaminated clothing before reuse. Destroy contaminated shoes and other articles made of leather. 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**

*Furane Products Company 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. Furane Safety Bulletin EP-54-8 is also available for more detailed information.*

*Epocast is a trademark of Rohm and Haas Company or of its subsidiaries or affiliates.*