

07-26-'07 13:30 FROM-Atlas Supply Inc.

206-382-9319

T-709 P001/004 F-370

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HCS2407-020

vantico

Product Data

EPOCAST® 89537-A/B

- Low Density Core Filler
- Self-Extinguishing

DESCRIPTION

Epocast 89537-A/B is a two part epoxy syntactic system with glass fiber reinforcement. It may be trowelled or extruded into honeycomb core structures. The non-sag consistency allows vertical applications up to ½ inch thick. Epocast 89537-A/B is self-extinguishing and may be used for fastener and attachment potting, core splicing and edge reinforcement. It meets the requirements of BMS 5-28 Type 7, Class 2.

TYPICAL PROPERTIES AS RECEIVED

<u>Property</u>	<u>89537-A</u>	<u>89537-B</u>	<u>89537-A/B</u>	<u>Test Method</u>
Color	White	Black	Gray	Visual
Density, g/cc.	0.85	1.00	0.90	ASTM-D-1622
Viscosity, centipoise	Paste	10,000	Soft-Paste	ASTM-D-2196
Gel time, 100 gms. at 77°F, minutes	--	--	70	ASTM-D-2471
Shelf life at 77°F, unopened, months	12	12	--	--

NOTE: Stir contents of individual containers before weighing and mixing together.

MIX RATIO

To 100 parts by weight of Epocast 89537-A, add 18.5 parts by weight of Epocast 89537-B. Mix both components thoroughly for 3-5 minutes to insure complete and uniform mixing. Mix carefully to prevent air entrapment and excess voids.

CURE SCHEDULE

Cure # 1 - 7 Days @ 77 ± 2°F

Cure # 2 - Gel @ Room Temperature + 90 minutes @ 260 ± 10°F

Cure # 3 - Gel @ Room Temperature + 60 minutes @ 350°F

TYPICAL CURED PROPERTIES (Not for specification purposes)

<u>Test</u>	<u>Result</u>	<u>Test Method</u>
Compressive Strength/Modulus, Ksi		
After Cure #1	8.50/450	ASTM-D-695
After Cure #2	8.60/450	--
After Cure #3	8.80/435	--
Lap Shear Strength, AL/AL, psi		
After Cure # 1	1200	ASTM-D-1002
After Cure # 2	1800	--
After Cure # 3	1900	--
Weight Gain % After 24 Hours Immersion		
TT-S-735 Test Fluid	0.40	ASTM-D-543
Mil-M-5606 Hydraulic Fluid	0.37	--
Monsanto Low Density Hydraulic Test Fluid	0.48	--
Distilled Water	0.30	--
Flammability, Burn Rate, Inches/minutes	1 Inch	--

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PACKAGING & SHIPPING INFORMATION

Epocast 89537-A and Epocast 89537-B are nonrestricted articles.

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 and industrial use only.

CLEANLINESS & SAFETY**EPOCAST 89537-A**

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

FIRST AID! Eyes and Skin: Immediately flush eyes with water for 15 minutes and get prompt medical attention. Wash skin thoroughly with soap and water. Remove and wash contaminated clothing before reuse. Inhalation: Remove subject to fresh air and get prompt medical attention. If not breathing, give artificial respiration preferably mouth-to-mouth. If breathing is difficult, give oxygen. Swallowing: Dilute by giving water to drink and contact a physician promptly. Never give anything to drink to an unconscious person.

EPOCAST 89537-B

DANGER! CAUSES SEVERE EYE IRRITATION AND POSSIBLE EYE DAMAGE. CAUSES SEVERE SKIN IRRITATION AND POSSIBLE ALLERGIC SKIN REACTION. HARMFUL IS INHALED. HARMFUL IF SWALLOWED. Do not get in eyes, on skin or on clothing. Wear impervious gloves and splash goggles when handling. Wash thoroughly after handling. Avoid breathing 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. 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.

IN CASE OF FIRE! Use water spray, dry chemical or carbon dioxide extinguisher.

KEEP OUT OF REACH OF CHILDREN

Ciba Specialty Chemicals, Performance Polymers, 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.

IMPORTANT: The following supercedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled or lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.
