BURTIN POLYMER INNOVATIONS
130 E George St – Adairsville, GA 30103 - 678-800-7003

ISOTRYME OCX

TYPE

BPI ISOTRYME OCX is a two- component, class 1 rated, spray applied polyurethane foam insulation that is in compliance with ICC-ES ACC 377 Appendix X and can be installed without an ignition barrier.

Suggested Uses

Isotryme OCX is designed for use in applications such as insulation foams, sound deadening, void fill, etc.

REACTIVE PROFILES

Ambient Temp Range (Hand Mix)	70° F	130° F
Reactivity (Rise Time) Machine Mix	7 - 9 sec	6 - 8 sec

LIQUID COMPONENTS	TEST METHOD	COMPONENT A	COMPONENT B
Viscosity cps @ 74°F cps	ASTM D-2196 Spindle #2 @ 300 rpm	200 +/- 50	250 +/- 100
Specific Gravity @ 74°F	ASTM D-1638	1.24	1.08
Color	Visual	Dark Brown	Light Brown
Weight per Gallon	From Specific Gravity	10.33	8.9

CURED FOAMS TYPICAL PHYSICAL PROPERTIES

PROPERTY	METHOD	RESULTS
Density	ASTM D-1622	0.5 pcf
Comp. strength, parallel	ASTM D-1621	.95 psi
K Factor	ASTM C-518	0.294
Initial R-value	Calculated	3.7
Tensile Strength	ASTM D-1623	4 psi
Open cell content	ASTM D-1940	>93%
Dimensional stability	ASTM D-2126	+ 4 % max
Moisture (Perm/Inch)	ASTM E-96	15.98 in

Fire Test Data

Flame Spread Index	ASTM E-84	25
Smoke Developed Index	ASTM E-84	350
Ignition Barrier Uncoated	NFPA 286 Appendix X	PASS

IAPMO MEMBER

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PROCESSING GUIDE

STORAGE/SHELF LIFE Components "A" and "B" should be stored in their original, unopened containers at temperatures between 55°F and 85°F. Shelf life of unopened, sealed containers is approximately six months under those storage conditions.
EQUIPMENT Recommended proportioning equipment is manufactured by Gusmer, Binks, Graco, or Glas-Craft. Mixing and ratio by volume is 50 parts A to 50 parts B (1:1). Equipment shall be of the heated, airless type, capable of maintaining 100°F to 130°F at the spray gun. Optimum spraying temperature will vary with type of equipment used, substrate, ambient temperature, and humidity.
WARNING: Polyurethane foam may present a fire risk in certain applications if exposed to fire or excessive heat, e.g. welding and cutting torches. The use of polyurethane in interior applications on walls or ceilings presents an unreasonable fire risk, unless the foam is protected by an approved fire-resistive fifteen-minute thermal barrier.
GENERAL INSTRUCTIONS Before the containers are opened, all safety instructions should be read and understood by all personnel who will come into contact with the materials. If the safety instructions are lost or otherwise not available, please contact Burtin Polymer Innovations for a replacement.
A Burtin Polymer Innovations Safety Data Sheet (SDS) is sent with the original shipment and available upon request. All personnel who come in contact with the product should read and understand the SDS.
PROTECTIVE EQUIPMENT The "A" component is a polymeric isocyanate and may be sensitizing, particularly from the standpoint of VAPOR INHALATION. The best form of protection against sensitizing vapors in the workplace is a FRESH AIR SUPPLY. Several manufacturers, including 3M company and MSA make full face fresh air masks. For minimum protection, organic vapor canister style respirators shall be worn. To prevent contact with the product, wear fabric coveralls and fabric gloves, full-face mask and OSHA approved protective goggles.

HEALTH AND SAFETY

VAPOR INHALATION problems are characterized by coughing, shortness of breath or tightness of the chest. Anyone exhibiting these symptoms shall be immediately removed from the workplace and administered oxygen or fresh air. If the condition is prolonged or extreme, SUMMON "EMERGENCY TRAINED" MEDICAL ATTENTION IMMEDIATELY.
SKIN CONTACT with liquid components can result in a rash or other irritation. Wash the affected area with water. Wipe residual liquid with a clean soft cloth followed by washing with soap and water. If a rash or other irritation develops, SEE A PHYSICIAN.
EYE CONTACT with liquid or sprayed components can result in corneal burns or abrasions. Upon exposure, eyes should be flushed with water for an extensive period. SUMMON "EMERGENCY TRAINED" MEDICAL ATTENTION IMMEDIATELY.

WARNING:

Polyurethane products manufactured or produced from these chemicals may present a serious fire hazard if improperly used or allowed to remain exposed or unprotected. The character and magnitude of any such hazard will depend on a broad range of factors which are controlled or influenced by the manufacturer, applicator or production process. Each person, firm, or corporation engaged in the manufacture, production, application, installation or use of any polyurethane materials should carefully determine whether there is a potential fire hazard associated with such specified usage, and utilize all appropriate precautionary and safety measures as outlined in Local, State and Federal regulations governing the manufacture of products or the construction and/or renovation of commercial or residential structures.