



ISOTRYME OOCX

PHYSICAL PROPERTIES

PROPERTY	METHOD	RESULTS
Density	ASTM D-1622	0.5 pcf
Compressive Strength (parallel)	ASTM D-1621	0.95 psi
Thermal Conductivity (K-Factor)	ASTM C-518	0.26
Initial R-value	Calculated	3.8
Tensile Strength	ASTM D-1623	4 psi
Viscosity (74°F)	ASTM D-2196	Component A: 200 +/- 50 cps Component B: 250 +/- 100 cps
Open Cell Content	ASTM D-1940	>93%
Dimensional Stability	ASTM D-2126	+4 % max
Moisture Permeability	ASTM E-96	15.98 in
Specific Gravity (74°F)	ASTM D-1638	Component A: 1.24 Component B: 1.08

TYPE

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

- Insulation Foams
- Sound Deadening
- Void Fill

REACTIVE PROFILES

Ambient Temp Range (Hand Mix): 70°F to 130°F

Reactivity (Rise Time):

- Machine Mix: 7-9 sec
- Hand Mix: 6-8 sec

FIRE TEST DATA (ASTM E-84)

Flame Spread Index: 10

Smoke Developed Index: 350

Ignition Barrier Uncoated: PASS



ISOTRYME OCX

Two-Component Polyurethane Foam System

PROCESSING GUIDE

- **Storage Temperature:** 50°F to 80°F
- **Shelf life:** Approximately twelve months (unopened containers)
- **Recommended Proportioning Equipment:** Graco, PMC, or equivalent

Mixing Ratio

- **Parts by Volume:** 50 parts A : 50 parts B (1:1)

Application Parameters

- **Equipment Type:** heated, airless type,
- **Spray Gun Temperature:** 110 °F to 145 °F
- **Optimum spraying temperature Depends On:**
 - Type of equipment used
 - Substrate
 - Ambient temperature
 - Humidity

GENERAL INSTRUCTIONS

- Read and understand all safety instructions before handling materials.
- Safety Data Sheets (SDS) are included with shipments and available upon request.
- Always follow proper handling and protective guidelines.

PROTECTIVE EQUIPMENT

- **Component A** (polymer isocyanate) may cause sensitization, especially via **vapor inhalation**.
- **Preferred Protection:** Full-face fresh air supply respirators (e.g., by 3M, MSA)
- **Minimum Protection:**
 - Organic vapor canister respirators
 - Fabric coveralls
 - Fabric gloves
 - OSHA-approved protective goggles
 - Full-face mask

HEALTH AND SAFETY

Vapor Inhalation

- **Symptoms:** coughing, shortness of breath, chest tightness
- **Action:** remove individual from exposure, administer fresh air or oxygen
- **If symptoms persist or worsen:** Seek emergency medical attention immediately

Skin Contact

- May cause rash or irritation
- **Action:** Wipe off with clean, soft cloth, then wash with soap and water
- **If symptoms persist:** See a physician

Eye Contact

- May cause corneal burns or abrasions
- **Action:** Flush with water for an extended period
- **Then:** Seek emergency medical attention immediately

FIRE HAZARD WARNING:

Polyurethane foam is flammable and can pose serious fire risks if not properly managed.

Fire Risk Scenarios

- Exposed to open flame (welding, cutting torches, etc.)
- Unprotected interior applications (walls or ceilings)
- Improper storage or accumulation of foam overspray

Each manufacturer, applicator, or contractor must determine potential fire hazards associated with intended use, and follow all applicable local, state, and federal fire safety regulations.

