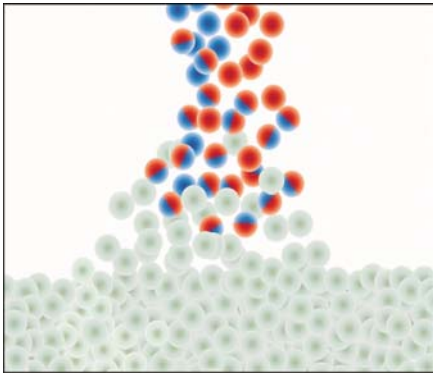


Helping Make
Buildings Better™

ELASTOSPRAY® 81302

Spray Applied Polyurethane

BASF
The Chemical Company



PRODUCT DESCRIPTION:

Elastospray 81302 is a two component, 0-ODP (Ozone Depleting Potential), spray polyurethane foam system, formulated utilizing ZONE₃® technology. It is available in 3.0 pcf density. Low viscosity and 1:1 by volume ratio provide for easy processing.

- UL-790 Class A or B
- UL-723
- FM 4880 Class 1
- Easily Processed

Elastospray 81302 is used primarily for the thermal insulation and waterproofing of building roofs, tanks, vessels and pipes. As a roofing system component, Elastospray 81302 has been tested in accordance with ASTM E-84, UL 790 Class A or B, UL 723 and FM 4880. Refer to BASF Corporation test reports for current information.

REACTIVITY PROFILES: *

The following reactivity guidelines have been developed to assist in ordering the proper speed for a range of ambient/substrate temperatures.

	SLOW S	REGULAR R	FAST F
Ambient Temp.	80°F - 100°F	65°F - 80°F	50°F - 65°F
Reactivity, rise @ 74°F	3.5 - 4.0 sec.	2.5 - 3.5 sec.	1.0 - 2.0 sec.

*NOTE: **EXTRA FAST, (XF)** available for temperatures between 35°F to 50°F. Skin texture will vary above 50°F.

EXTRA SLOW, (XS) available for temperatures above 100°F.

LIQUID COMPONENTS	TEST METHOD	COMPONENT A	COMPONENT B
Viscosity, cps @ 74°F	ASTM D 2196	200 – 300	600 – 750
Specific Gravity, @ 74°F	ASTM D 1638	1.24	1.16
Color	Visual	Dark brown	Dark brown
Weight per gallon, lbs/gal	From Specific Gravity	10.33	9.82

CURED FOAMS TYPICAL PHYSICAL PROPERTIES: (Data derived from laboratory samples)

PROPERTY	TEST METHOD	RESULTS
Density, nominal	ASTM D 1622	3.0 lb/ft ³
Compressive Strength, parallel to rise	ASTM D 1621	55 lb/in ²
K Factor, initial per inch	ASTM C 518	0.150
R Value, initial per inch	Calculated	6.7
Closed Cell Content, min.	ASTM D 2662	98%
Dimensional Stability, aged 28 days @158°F/98% RH	ASTM D 2126	+2.5%
Moisture Transmission, per inch	ASTM C 355	0.8 perm
Spread of Flame**, 2 inch thick sample	ASTM E 84	< 75

**Numerical Flame spread ratings are not intended to reflect hazards presented by this or any other material under actual fire conditions.

PROCESSING GUIDE:

STORAGE / SHELF LIFE. Components "A" and "B" should be stored in their original, unopened containers at temperatures between 65°F and 85°F. Shelf life of unopened, sealed containers is approximately three months for the resin component and six months for the isocyanate component, under those storage conditions.

EQUIPMENT. 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 a minimum of 130°F and 1,000 psi fluid pressure at the spray gun. Optimum spraying temperature will vary with type of equipment used, substrate, ambient temperature, and humidity. See BASF Application Guidelines for specific recommendations for application and equipment for this product.

GENERAL INSTRUCTIONS. It is important that 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 BASF Corporation, Inc. for a replacement.

A BASF Corporation, Inc. Material Safety Data Sheet (MSDS) is sent with the original shipment and available upon request. All personnel who come in contact with the product should read and understand the MSDS.

PROTECTIVE EQUIPMENT. The "A" component is a polymeric isocyanate and may cause sensitizing, allergic reactions, particularly from the standpoint of *VAPOR or AEROSOL INHALATION*. The best form of protection against sensitization in the workplace is a *FRESH AIR SUPPLIED RESPIRATOR*. Several manufacturers, including 3M, MSA and others, make full-face fresh air respirators. For minimum protection, organic vapor canister style respirators shall be worn. To prevent contact with the product, wear protective coveralls and fabric gloves over nitrile gloves are recommended, full-face respirators and OSHA approved protective goggles.

HEALTH AND SAFETY:

AEROSOL AND 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, *SEEK "EMERGENCY TRAINED" MEDICAL ATTENTION IMMEDIATELY.*

SKIN CONTACT with liquid components can result in a rash or other irritation. 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. *SEEK 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 use of polyurethane in interior applications on walls or ceilings presents an unreasonable fire risk, unless the foam is protected by an approved fire-resistant, fifteen-minute thermal barrier. 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.

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For Sales Information:
BASF Corporation
Hudson Falls, NY
800.547.4004

For Technical Information:
BASF Corporation
Cartersville, GA
888.699.1960 (X15)

For Customer Service:
BASF Corporation
Wyandotte, MI
800.332.2333 (X15)

