IsoPour 100W451

IsoPour 100W451 is a 100% CFC/HCFC-free, slow-reacting, two-component, rigid polyurethane pour-foam system; designed in particular for the high density molded foam market. This system is an attractive alternative to wood products.

*Values given are not intended to be used in specific preparation

Component Properties

Specific Gravity - 74°F, ISO	1.23
Specific Gravity - 74°F, POL	1.13
Viscosity - ASTM D-2196 - 74°F, ISO	200 - 400 cps
Viscosity - ASTM D-2196 - 74°F, POL	1500 cps

Reactivity Profile

Ratio by Weight - ISO:POL	1:1
Ratio by Volume - ISO:POL	1:1
Cream Time	45 - 48 Seconds
Gel Time	126 Seconds
Rise Time	171 Seconds
Tack Free Time	150 Seconds

Typical Physical Properties

Compressive Strength - ASTM D695 - Parallel to Rise	239.1 psi
Compressive Strength - ASTM D695 - Perpendicular to Rise	241.7 psi
Free Rise Density	9.5 - 10.5 pcf

RECOMMENDED HANDLING INSTRUCTIONS

Isotec® International's Recommended Application and Handling Instructions
-Use only in well-ventilated areas.
-Wear chemically resistant rubber gloves, safety glasses, and an apron.
-Avoid prolonged or repeated contact with skin.
-In case of skin contact, wipe affected area with isopropyl alcohol, followed by soap and water.
-In case of eye contact, flush eyes with water for 15 minutes and consult a physician.
-If swallowed or comes into contact with eyes, seek medical attention immediately.

THOROUGHLY MIX THE "POL" SIDE PRIOR TO USE
This ensures the material is homogenous and parts made will have the correct density and physical properties.

STORAGE

Protect Iso and Pol side from moisture. If the Iso side material is exposed to moisture, including moisture from the air, it will release CO_2 gas. If placed in a sealed container, this gas can cause a dangerous build up of pressure potentially resulting in injury or death. If the Pol side is exposed to excess moisture and then applied it may cause weak or foamed material to be applied.

Keep the foam containers tightly closed when not in use and store at temperatures between 50–90° F (10–32° C).

If moisture contaminates either product, it will not cure correctly or may have reduced density and physical properties. If these storage requirements are met, this foam carries a shelf life warranty of six months, from the date of receipt.

SAFETY

-Refer to the product SDS for all relevant safety information.

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