

IsoPour 34W251

IsoPour 34W251 is a water blown, two-component rigid, polyurethane foam system designed for the reinforcement and stabilization market. This system is engineered to have excellent strength and compressive properties.

APPLICATIONS

- Reinforcement
- Stabilization

PRODUCT ADVANTAGES

- Convenient 1:1 mixing ratio
- High compression strength

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

Component Properties

Color - ISO	Dark Brown
Color - POL	Amber, Light Brown
Specific Gravity - 74°F, ISO	1.23
Specific Gravity - 74°F, POL	1.06
Viscosity - ASTM D-2196 - 74°F, ISO	150 - 250 cps
Viscosity - ASTM D-2196 - 74°F, POL	900 - 1000 cps

Reactivity Profile

Ratio by Weight - ISO:POL	1.19:1
Ratio by Volume - ISO:POL	1:1
Initiation	20 - 30 Seconds
Gel Time	80 - 100 Seconds
Rise Time	170 - 190 Seconds
Tack Free Time	210 - 230 Seconds

Typical Physical Properties

Compressive Strength - ASTM D695 - Parallel to Rise	50 psi
Compressive Strength - ASTM D695 - Perpendicular to Rise	29 psi
Free Rise Density	3.2 - 3.6 pcf

RECOMMENDED HANDLING INSTRUCTIONS

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.

To achieve the best results;

- Mix or shake POL material prior to use
- Thoroughly scrape the sides and bottoms of all mixing containers
- Accurately measure the materials at the correct ratio
- Ensure the ISO and POL are at or near normal Room Temperature (~72° F) prior to use

Please refer to Isotec International's Application Bulletin RF-2 for more information on using this rigid foam, or any of our other rigid foams, mold releases or resins.

STORAGE

Keep the foam containers tightly closed when not in use and store at temperatures between 50–90° F (10–32° C). Do not expose the ISO or POL to moisture. 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

Please refer to the product SDS for complete information on safe use and handling of this product. When working with the foam please observe the following general safety precautions.- Use only in well-ventilated areas- Wear chemically resistant rubber

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Since Seller exercises no control over Buyers application or use of the product manufactured by Seller (“product”) and since materials used with the product may vary, it is understood that:

- THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OR MECHANABILITY OR FOR ANY PARTICULAR PURPOSE. While all data presented in Seller’s technical data sheet is based on the best information available to Seller and believed correct, such data is not to be construed as a warranty that the product will conform to such specifications. Such technical data sheets are subject to change without notice. Reported laboratory test results of fire redundancy in no way relates to the actual performance under fire conditions. Since all urethane systems are organic, they will burn.
- Reported laboratory test results of the color stability in no way relates to the actual performance upon exposure to light sources. Since all aromatic urethanes experience color degradation upon ultraviolet light exposure, Seller shall not be liable for any damages resulting from ultraviolet light color degradation of any aromatic urethane systems manufactured or sold by Seller.
- The liability of the Seller shall not exceed the purchase price and the Buyer shall not be entitled to nor the Seller be liable for any consequential, incidental, indirect or special damages resulting in any manner from the furnishing of the product.

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