ISO-FLEX® 980

High durometer urethane elastomer

Master Builders Technologies

DESCRIPTION:

ISO-FLEX® 980 is a two-component, high modulus polyurethane elastomer for use under pedestrian and vehicular traffic. This compound is designed to withstand heavy loading from sharply tapered shoe heels and vehicular traffic in plazas, parking structures, and other traffic conditions.

PACKAGING:

ISO-FLEX 980 elastomer is available in 1.75 gallon (6.6 liter) units.

LIMITATIONS:

Because of its high modulus and hardness, ISO-FLEX 980 elastomer should be used only in joint locations which have been designed for the movement capabilities of the product (± 12.5%).

APPLICABLE STANDARDS:

ISO-FLEX 980 elastomer meets Federal Specification TT-S-00227E, Class B, Type II, and ASTM C920, Type M, Grade NS, Class 12-1/2, Use TM.

(Federal Specification TT-S-00227E, referenced above, calls for a maximum Shore A hardness of 50. ISO-FLEX 980 elastomer exceeds this with a Shore A hardness of 55 ± 5, to meet the performance required under sharply tapered shoe heels, etc.)

PRECAUTIONS:

To ensure safe installation of ISO-FLEX 980 elastomer, please refer to the Material Safety Data Sheet (MSDS) which accompanies each product shipment.

MAINTENANCE:

ISO-FLEX 980 elastomer may be repaired in the field using methods approved by the manufacturer.

TECHNICAL DATA:

Movement Capability *ASTM C719*	± 12%
Tensile Strength *ASTM D412*	950 psi
Ultimate Elongation *ASTM D412*	225%
Hardness (*Shore A*) *ASTM C661*	55 ± 5
Weight Loss,Heat Aging *ASTM C792*	Less than 2%
Peel Adhesion (Concrete)	60 pli
Pot Life @ 75 degrees F (23.9 degrees C)	30 minutes
Shelf Life	6 months in sealed container
Cure Time @ 75 degrees F (23.9 degrees C) *ASTM C920*	24 hours
Low Temperature Flexibility @ -40 degrees F (-4.4 degrees C) *ASTM D1790*	Pass
ServiceTemperature Range	40 to 150 degrees F (4.4 to 65.6 degrees C)

NOTE:

TECHNICAL DATA, shown above, is based on performance of new material only. Once applied, material properties are likely to be affected over time due to environmental factors such as aggressive UV exposure and/or extreme temperatures.

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