

THERMALLY APPLIED GASKET

Product Overview: InstaForm 41, manufactured at the Fort Worth facility, is a foam-in-place sealant that replaces the need for both closed cell foam gaskets and elastomeric mastics. InstaForm 41 is a high adhesion, moderately tacky material that will compress at a low force. It provides high resiliency, optimum water resistance, and webbing characteristics; and is a cost-effective solution over traditional two-part systems and die cut gaskets.

Product Uses: InstaForm 41 is commonly used in metal building applications as a standing seam sealer. It works effectively in both snap and crimp seaming applications, and will not dry, harden, or oxidize for 20 years. InstaForm 41 is applied through fixed or flexible automation.

Technical Information:

Raw Material Base.....	Thermal Plastics	Solids by Weight.....	100%
Color.....	Amber	MBNA Water Damming Test.....	Passes
Cold Temp. Flex.	Passes	Aging (1000 hrs.).....	Slight Surface Haze
Specific Gravity (As Solid).....	0.80 – 0.90	Slump.....	None
Heat RTE, 2 wks. @ 180°F.....	No Change	Melt Point, Ring & Ball.....	300°F
Adhesive Tensile (ASTM D987-78).....	>25 psi	Tensile Strength (ASTM D412 Die C).....	65 psi
Plasticizer Migration.....	None	Odor.....	None Once Cured
Elongation (0°F, 77°F).....	450%, 900%	Water Resistance.....	Excellent
Force to Compress (50% Compression, 2"/min.).....	0°F – 60 psi, 77°F – 30 psi, 120°F – 15 psi		

Application Information: InstaForm 41 is designed for use in factory settings. It is applied through the use of a foam melt unit at a temperature of 350°F and with a Nitrogen Cylinder set at 40 psi. For best results, the orifice of the nozzle must be held close to the bead. Please contact the equipment manufacturer(s) for additional set up information, such as proper speed settings, orifice sizes, and pressure requirements. Once applied, InstaForm 41 sets within 30 seconds of contact with the intended substrate. It can then be delaminated, if necessary, and placed back into the hot melt dispenser.

Packaging & Handling: No special handling is required for this product, though storage in a cool, dry area is recommended for maximum shelf life and effectiveness. When properly stored and left in its original packaging, InstaForm 41 boasts an unlimited shelf life. It is available in 55 gallon fiber drums, 5 gallon fiber pails, and 2.5 and 5 lb. bricks.

Safety Instructions: Use caution when working with machinery and materials at high temperatures. InstaForm 41 should not be exposed to temperatures exceeding 375°F for prolonged periods of time, as this will result in a thermal breakdown of the compound and compromise its performance capabilities.

Contact Us: For more information regarding this product and others, please contact us at:

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INSTAFORM 41