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940 Fast Set Adhesive/Sealant

Product Data Sheet

MARINE

Product Description

High performance, Bostik® Marine 940 Fast Set is a rapidly, moisture-curing; fast-skinning; one-component; hybrid polymer adhesive/sealant based upon Silyl Modified Polymer (SMP).

Bostik Marine 940 FS is specifically formulated to withstand harsh marine environments. It possesses UV resistance (non-yellowing); is sandable and paintable. It exhibits superior adhesion to porous and nonporous surfaces in most applications without the use of a primer, a feature not typically found in a traditional adhesive/sealant.

Bostik Marine 940 FS does not in-gas and has outstanding high and low temperature resistance. It is solventless and isocyanate free resulting in a product that is both environmentally and user friendly.

Typical Applications

Bostik Marine 940 FS is recommended for use in bonding and sealing applications, particularly where permanent elastic bonding between surfaces is required. It can be used above and below the waterline. Its outstanding adhesion and UV resistance properties target this product for sealing deck hardware, through-hull fittings, rub-rails and portholes applications.

940 FS combines the adhesion/mechanical properties of a urethane, plus the flexibility and UV resistance of a silicone. 940 FS provides optimum bonding of aluminum, steel, fiberglass, EPDM rubber or PVC, typically without use of a primer. It maintains elasticity within temperature range of -40°F to 212°F (-40°C to 100°C).

Specific Adhesion

Without primer, 940 FS adheres to clean, dry, grease-free surfaces on aluminum, stainless/galvanized steel, zinc, copper, brass, glass, PVC, polyester (GRP), FRP, painted or lacquered wood. MSR Primer M is recommended for applications that require very high thermal or physical stresses, especially under wet conditions.

Typical Uncured Properties*

Property	Value
Work Life/Open Time	15 minutes
Skin Time	10 minutes
Curing Time @77°F/50%RH/0.125"	1 day
Application Temperature	40°F - 95°F
Green Strength (lbs. - force/ft² @ 0.125-in. thick, without sag)	2.3

Typical Cured Properties*

(after 14 days cure at 77°F and 50% RH)

Property	Value
Hardness (Shore A)	55
Specific Gravity	1.4 g/ml
Tensile Strength @ 100%	400 psi
Tensile Strength @ Break	450 psi
Tensile Shear Strength (Aluminum-to-Aluminum, 0.08", speed—2-in./min.)	375 psi
Elongation	225%

* Values given above are not intended to be used in specification preparation.

Features & Benefits

Feature	Benefit
Organic Solvent Content	None
Isocyanate Content	None
UV/Weather Resistance	Excellent
Green Strength	Excellent
Internal Gassing on Cure	None
Paintable	After Skin Formation
Sandable	After Full Cure
Shelf Life	Excellent
Easily Extruded	Manual Cartridge Gunning

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Clean-Up

Use Bostik® Hand & Tool Towels to clean excess sealant from all surfaces and tools while still uncured. Remove cured sealant carefully from surfaces using appropriate mechanical methods.

Shelf Life

When stored between 40°F to 80°F (5°C to 27°C), Bostik® Marine 940 FS has a shelf life of 18 months (cartridges) and 12 months (sausages). Expiration date determined from the lot number printed on each cartridge or sausage.

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