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Bostik®

940A Adhesive/Sealant

Product Data Sheet

MARINE

Product Description

High performance, Bostik® Marine 940A adhesive/sealant is a slower skin forming version of Bostik® Marine 940FS based upon Silyl Modified Polymer (SMP). Marine 940A has a longer open time which allows for longer working times, especially on larger applications.

Bostik® Marine 940A 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 940A adhesive/sealant 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 940A 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.

940A combines the adhesion/mechanical properties of a urethane, plus the flexibility and UV resistance of a silicone. 940A 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, 940A 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	45 minutes
Skin Time	35 minutes
Curing Time @77°F/50%RH/0.125"	1 - 2 days
Application Temperature	40°F - 95°F
Green Strength	2.3 (lbs. - force/ft2 @ 0.125-in. thick, without sag)

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	375 psi (Aluminum-to-Aluminum, 0.08", speed—2-in./min.)
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 Sausage Guns

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Cleanup

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 940A has a shelf life 12 months (sausages). Expiration date determined from the lot number printed on each sausage.

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