



Supergrip® H0005-03A

ONE COMPONENT MOISTURE CURING URETHANE ADHESIVE

KEY FEATURES

- Aggressive bonds to a variety of substrates
- Good green strength and quick tack for fixturing assemblies
- Good heat resistance

DESCRIPTION

SGH0005-03A is a solvent-free, one-component, moisture curing urethane adhesive. This product, supplied in solid form, is applied like that of a bulk hot melt adhesive. Once dispensed, the adhesive will react with ambient moisture to yield a cross-linked thermoset adhesive. Heat is not required for curing to occur.

KEY BENEFITS

- Suitable for applications where a flexible bond is required
- Excellent adhesion to wood, steel, and a variety of plastics
- Fast processing time

SHELF LIFE

Shelf life is 12 months @ 23°C in unopened factory sealed containers. Due to product moisture sensitivity, shipping containers must be kept tightly sealed and opened just prior to product use.

APPLICATION TECHNIQUES

Typical application temperature range is 230°F – 248°F (110°C – 120°C). Adhesive application is best conducted using direct pail or drum melting systems. These melters may be equipped for adhesive application via bead extrusion, swirl spray or roll coating methods.



TYPICAL PHYSICAL PROPERTIES

Description	Results
Color	Opaque, Off-White
Total Solids	100%
Viscosity	7,000 cP (120°C)
Density	9.2 lbs/gal (1.10 g/cm ³)
Open Time	4 – 7 min. for a 10 mil film at ambient conditions
Application Temperature	110°C – 120°C

TYPICAL CURED FILM PROPERTIES

Description	Result
Cure Conditions	7 days @ 25°C, 50% RH
Tensile at Break	3,700 psi
Elongation at Break	1,400 %
Water Resistance	Good
Chemical Resistance	Excellent
Heat Resistance	385°F (195°C)

CURE SCHEDULE

The cure rate is dependent upon substrate type, moisture permeability and ambient conditions. SGH0005-03A will develop adhesive properties within 24 hours. However, optimum properties are achieved after seven days at room temperature.

CLEANUP

Since SGH0005-03A is applied at elevated temperatures, it is advisable to clean the equipment regularly with an appropriate cleaning agent such as Supergrip® PURGE

HEALTH & SAFETY PRECAUTIONS

The Safety Data Sheet should be consulted for proper handling, clean up and spill containment before use. Keep containers covered to minimize contamination.

LIMITED WARRANTY

The Limited Warranty for this product can be found at www.bostik-us.com/resource-center/warranties or by calling 1-800-726-7845 (choose option 2, then option 2 again). To the maximum extent allowed by law, Bostik disclaims all other express or implied warranties, including without limitation warranties of merchantability and fitness for a particular purpose. Unless otherwise stated in the limited warranty, the sole remedy for breach of warranty is replacement of the product or refund of the buyer's purchase price. Bostik disclaims any liability for direct, incidental, consequential, or special damages to the maximum extent allowed by law. Disclaimers of implied warranties may not be applicable to certain classes of buyers and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. The Limited Warranty extends only to the original purchaser and is not transferable or assignable. Any claim for a defective product must be filed within 30 days of discovery of a problem, and must be submitted with written proof of purchase.

BOSTIK HOTLINE

Smart help
1-800-726-7845

Bostik, Inc.
11320 W. Watertown Plank Road
Wauwatosa, WI 53226
www.bostik-us.com



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