



Supergrip® 1582-082

ONE COMPONENT MOISTURE CURING URETHANE ADHESIVE

KEY FEATURES

- Good green strength and aggressive tack for rapid fixturing.
- High heat resistance
- Aggressive bonds to a wide variety of substrates

DESCRIPTION

SG1582-082 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 cure to occur. SG1582-082 provides high tack and rapid strength development upon application from the molten state. It exhibits good adhesion to a variety of substrates including flexible vinyl, wood, ABS, fiberboard, HPL, steel, and polyurethane foam, and most plastics.

KEY BENEFITS

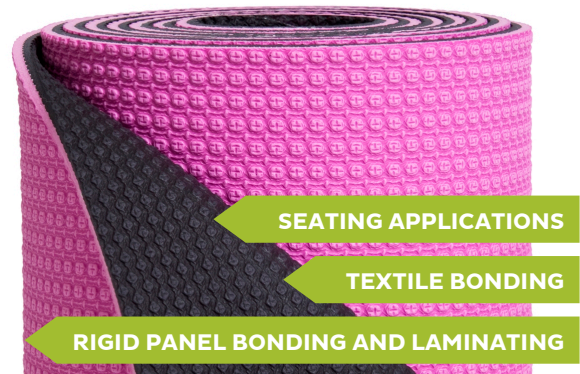
- Fast processing time
- Suitable for use with various type of application equipment
- Accommodates bonding of dissimilar substrates

SHELF LIFE

Shelf life is twelve months @ 73°F (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). Refer to the product MSDS prior to use at temperatures greater than 130°C.



TYPICAL PHYSICAL PROPERTIES

Description	Results
Color	Off-White
Solids	100%
Viscosity (Brookfield RVT & Thermosel)	6,500 cP @ 250°F (121°C)
Density	9.6 lbs/gal (1.15 g/cc)
Open Time (10 mil film, 25°C, 50% RH)	>10 minutes
Cure Time (10 mil film, 25°C, 50% RH)	7 - 10 days
Tensile Strength	1750 psi
Elongation	860 %
SAFT Heat Resistance	403°F (206°C)
Water Resistance	Excellent
Chemical Resistance	Excellent
Suggested Application Temperature	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.

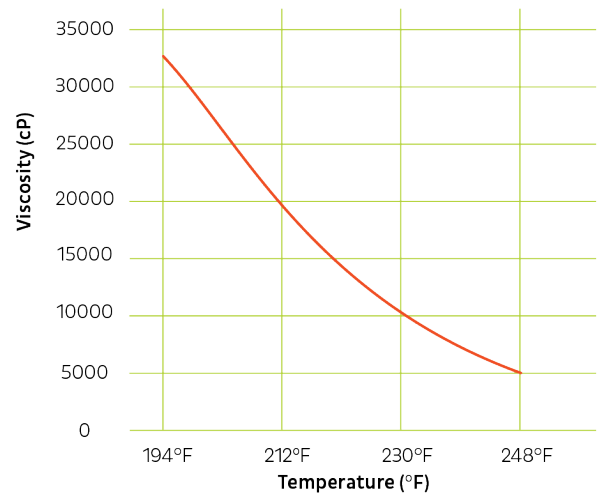
CURE SCHEDULE

Cure rate is dependent upon substrate type, moisture permeability and ambient conditions. SG1582-082 will develop adhesive properties within 24 hours. However, optimum properties are achieved after seven days at room temperature.

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.

VISCOSITY CURVE



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

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