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FREE Users Guide to Adhesives brochure

Part 1 Assessment of Bonding

Part 2 Essential stages of the Pretreatment Process

Call 1-800-323-5158 or Email gluguru@on-hand.com for your copy.

You can depend on your **Glu Guru™** as your reliable one-stop source for Adhesives and Adhesive Dispensers.

- | | |
|------------------------|-------------------------|
| ◆ Adhesive Dispensers | ◆ PUR Hot Melts |
| ◆ Acrylics | ◆ Release Agents |
| ◆ Aerosols-Non CFC's | ◆ Sealants |
| ◆ Cyanoacrylates | ◆ Solvent Adhesives |
| ◆ Encapsulants | ◆ Structural Adhesives |
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| ◆ Hot Melt & Cool Melt | ◆ Urethanes |
| ◆ Hot Melt Spray | ◆ UV Adhesives |
| ◆ Instant Adhesives | ◆ Water Based Adhesives |
| ◆ Methacrylates | |

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ADHESIVE FOCUS

On-Hand Adhesives, Inc.
Adhesive Tech Center
1850 So. Elmhurst Road
Mount Prospect, IL 60056

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Inside This Issue



The Glu Guru™'s Catalog of Adhesives can be seen on: www.gluguru.com

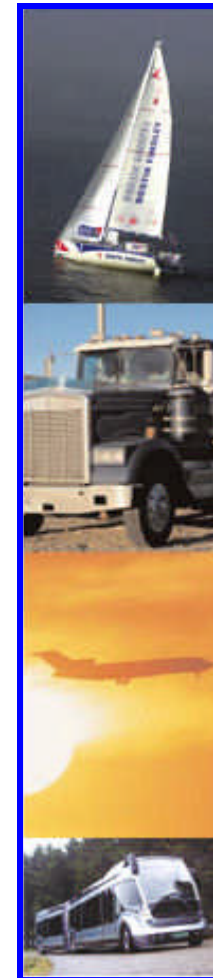
ADHESIVE FOCUS

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BOSTIK® SEALANTS & ELASTIC BONDING ADHESIVES FOR TRANSPORTATION & MARINE



BOSTIK, Inc., one of the world's leading adhesive and sealant manufacturers, has production facilities supplying bonding and technologies with high performance properties, suitable for a wide range of applications in the transportation and marine manufacturing industries.

BOSTIK high quality, innovative solutions are based on a variety of moisture curable polymer technologies that can meet the production and application requirements for cure rate, strength, durability and environmental compatibility.

SILICONE sealing products offer resilient sealing to glass, wood, metals, and plastics. They typically provide high temperature resistance and offer exceptional weatherability.

POLYURETHANE (PU) one-part, moisture cure elastic bonding and sealing products deliver durability and flexibility under the most demanding conditions. They provide high strength bonds that resolve the challenges posed by dissimilar substrates, long term exposure to weathering temperature changes, and mechanical joint movement.

SILYL POLYURETHANE SEALANT POLYMER (SPS) technology creates highly innovative solvent-free and isocyanate-free sealing solutions that provide superior adhesion to both porous and nonporous surfaces and excellent non-yellowing UV resistance.

SILYL MODIFIED POLYMERS (SMP) create highly innovative products that are solvent and isocyanate-free and simple to apply with minimal surface preparation required. SMP-based elastic bonding adhesives have broad application suitability, particularly bonding large surface areas that require high green strength.

Bostik elastic bonding technology is an environmental suitable option to replace mechanical fasteners, reduce weight and noise, and improve overall aerodynamics and corrosion protection.

DECADES OF
ENGINEERING
EXPERTISE AND
INNOVATIVE
POLYMER
TECHNOLOGIES
ARE KEY TO THE
SUPERIOR
PERFORMANCE OF
BOSTIK ADHESIVES
AND SEALANTS

AUTOMOTIVE AND TRANSPORTATION BONDING APPLICATIONS

Bostik's Automotive and Transportation proven product history and ongoing research and development have resulted in a complete range of high performance speciality adhesives and sealants for every stage of vehicle production, component manufacture, and aftercare. Many major OEM and components companies within the global automotive and transportation industry depend on the guaranteed service and quality provided by Bostik.

Car Industry



Photo PSA - Peugeot Citroën

Bostik is a leading producer of adhesives and sealants for laminating, bonding, sealing and edge wrapping interior and exterior components throughout the automobile. Our range of products include liquid, hot-melt and reactive adhesives, foam-in-place gaskets, webs and film adhesives for headliner or upholstery lamination.

Our Elastosol range of metal bonding adhesives and sealants for the body shop, based on liquid rubber technology, contribute to increased performance and car safety by providing structural bonding with outstanding durability, corrosion resistance, noise reduction and crashworthiness.

Our silane-modified polymer technology (SMP) provides a range of adhesives and sealants for car body repair and windscreen

Transportation

Bostik adhesives systems are engineered for strength and durability, improving process time and styling aesthetics – all critical requirements in contemporary vehicle design and assembly. We provide a full range of adhesives and sealants for the production of trucks, trailers, trains and tramways, coaches and buses.



Bostik technology for transportation meets manufacturers demand for elasticity, torsional stiffness, temperature and weather resistance, adhesion to dissimilar materials, with minimal surface preparation and often without secondary clamping required. Our Simson range of high performance, fast setting SMP adhesives reduce production costs, while being user- and environment-friendly.

EXTERIOR applications include side panel bonding, roof bow construction, windscreen and side glass installation, luggage compartment and door assembly, as well as interior trim.

| | 1100 FS | 1152 FS | 70-03 | 70-03 SKF | 70-05 | 70-08 | 70-12 |
|---------------------------------------|---------|---------|-------|-----------|-------|-------|-------|
| Roof bow assembly | ●● | ●●● | ● | ●●● | ● | ● | ●●● |
| Sidewall construction | ● | ●●● | ●●● | ●●● | ●●● | ● | ● |
| Body panels assembly | ● | ●●● | ●●● | ●●● | ●●● | ●● | ●● |
| Front/Rear cap bonding | — | ●●● | ● | ● | ●●● | ●● | ●● |
| Glass/windshield direct glazing | — | — | — | — | — | ●●● | ●●● |
| Luggage compartment and door assembly | — | — | ●● | ● | ●●● | ●●● | ●●● |

Good ●
 Very good ●●
 Best ●●●



INTERIOR assembly demands time saving solutions that produce smooth, even surfaces. Fast curing Bostik adhesives reduce production costs and are environmentally compatible. They are ideal for floor bonding, interior side-wall construction, end molding trim and many other applications where ease of use is required.

| | 1100 FS | 1152 FS | 70-03 | 70-04 | 70-05 | 70-07 |
|--|---------|---------|----------|-------|-------|-------|
| Roof construction | ●● | ●●● | ●●● | ● | ●●● | — |
| Panel construction | ●● | ●●● | ●●● | ● | ●●● | — |
| Platform (floor/subfloor) construction | ● | ●●● | ● (SKF) | ●●● | ●● | — |
| Floor covering bonding (including PVC) | — | — | ●● (SKF) | — | — | ●●● |
| Molding & trim bonding | ●●● | ●● | ●●● | ● | ●●● | — |

Good ●
 Very good ●●
 Best ●●●

Marine

To ensure the seaworthiness of any vessel, Bostik offers a variety of elastic bonding adhesives which provide exceptional weather and water-resistant properties. The range of marine products has been engineered for high performance elastic bonding of marine plywood, aluminium, fibreglass and other composite materials used in building marine vessels.



Bostik marine sealants form a durable, elastomeric waterproof seal for applications above and below the waterline. They are easy to use, easy to sand and paint, non-gassing products that stand up to the harshest marine environments. Marine sealants are used for permanent sealing or for service and repair applications including sealing of deck hardware and hatches, around doors and portholes, deck-to-hull assembly, through-hull fittings and seams and keel joints.

Good ●
 Very good ●●
 Best ●●●

For Typical Physical Properties for Transportation and Marine Applications contact the Glu Guru at:
 1-800-323-5158
 gluguru@on-hand.com
 Or visit our website :
 www.gluguru.com

| | 920 FS | 940 FS | 960 SR | 70-08 |
|----------------------------|--------|--------|--------|-------|
| Above Deck Assembly | ● | ●●● | ●● | — |
| Below Deck Assembly | ● | ●●● | — | ●● |
| Timber Bonding | ●●● | ● | — | ●● |
| Anti-Slip Decks and Plates | — | ●● | — | ●●● |
| Flybridge/ Radar Arch | — | ●●● | ● | — |
| Deck to Hull Assembly | ● | ●●● | — | ●● |
| Keel to Hull Joints | — | ●● | — | ●●● |
| Deck Panel Bonding | — | ●● | — | ●●● |
| Interior Panel/Partitions | ● | ●●● | ●●● | — |
| Windshield/Glass Glazing | — | — | — | ●●● |