

MPS 4000

BEDDING & BONDING ADHESIVE



PRODUCT DESCRIPTION

MPS 4000 is a single-component fast cure, elastomeric, water resistant, moisture cure, STPU bonding adhesive for marine applications. Designed for bedding deck materials including teak, composite decking, and deck hardware. Suitable substrates include GRP, marine plywood, properly prepared steel, aluminum and stainless steel. It is designed to achieve high tensile and tear strengths, abrasion resistance and an average ultimate shore A hardness of at least 55, yet still withstand 25% total joint movement.

PACKAGING

Sausages 20 fl. oz. (502 ml)

DIRECTIONS FOR USE

SURFACE PREPARATION

Proper surface preparation is critical. All surfaces must be clean, dry, and free from all foreign matter or contamination such as oil, grease, wax, curing compounds, form release agents, or another coating. Metal surfaces must be properly primed prior to application. All surfaces must be ground with 40 grit sandpaper and free of rust, corrosion, and protective coatings. Change rags frequently.



APPLICATION

- 1) Apply MPS-4000 with a 3/16" V-notched trowel. MPS-4000 is tack free in 90 minutes but could skin over faster depending on weather conditions. It is always recommended to apply adhesive to both bonding surfaces for best cohesive adhesion.
- 2) Make sure area to be glued is fully covered with adhesive and apply firm pressure for at least 4 hours; larger parts may require longer time.
- 3) Be sure to avoid any air entrapment when bedding parts.
- 4) Immediately remove any excess material from adjacent areas with mineral spirits.
- 5) Do not apply at temperatures below 40°F / 4°C. Do not apply on surfaces above 90°F / 32°C.

TYPICAL PHYSICAL PROPERTIES at 77° (25°C), 50% Relative Humidity		
Test Property	Value	Test Procedure
¼ Cure Through (hours)	48	Internal Test
Adhesion to Teak (pli)	19.1	ASTM C794
Adhesion to FRP (pli)	14.7	
Adhesion to Steel (pli)	19.1	
Elongation, ultimate (%)	225	ASTM D412
Hardness, Shore A Ultimate*	55+5	ASTM C661
Tack Free Time (minutes)	90	ASTM C579
Tear Strength (ppi)	40+5	ASTM D624
Tensile Strength, ultimate (psi)	215	ASTM D412
VOC Content (g/L)	15	ASTM D3960
VOC Emissions (TVOC)	<2 ug (0.002 mg)/cu m	CDPH v1.1-2010
* Hardness may fluctuate from this value due to variations in humidity and temperature.		

COVERAGE

10 ft² / .93m² per 20 fl oz foil pack

SHELF LIFE

12 months from date of manufacture (see packing for date stamp). Open packages should be used within a short period of time.

CURING

Allow to cure for 24 hours before walking on product.

CLEANING

Immediately remove all excess sealant and smears adjacent to joints with mineral spirits. Always use mineral spirits for removing uncured sealant from equipment. Remove cured sealant by scraping, sandpapering, etc. (Caution: Mineral spirits is flammable and toxic. Observe manufacturer's precautions.)

STORAGE & DISPOSAL

MPS-4000 must be stored in a controlled environment to maximize shelf life. Store the product in the original unopened containers between 60° F / 16° C and 80° F / 27° C. Dispose of Contents/containers in accordance with all local, regional, national, and international regulations.

HANDLING SUGGESTIONS

- 1) Read and follow instructions printed on the packaging.
- 2) MPS-4000 Bedding & Bonding Adhesive can be painted.
- 3) Immediately remove all excess sealant and smears adjacent to joints with mineral spirits. Always use mineral spirits for removing uncured sealant from equipment. Remove cured sealant by scraping, sandpapering, etc. (Caution: Minerals spirits are flammable and toxic. Observe manufacturer's precautions.)
- 4) If the packaging in which the sealant was shipped is not entirely emptied by the user, simply extrude approximately 1/8" beyond the tip and let cure. This will create a ready-made plug that can be pulled out easily when use is required again.
- 5) **CLEANUP:** Use mineral spirits to clean caulk from hands and tools. **NEVER USE MINERAL SPIRITS IN TEAK SEAMS.** (Use acetone only.)



**FOR PROFESSIONAL USE ONLY. KEEP OUT OF REACH OF CHILDREN
WARNING**

WARNING: Causes serious eye irritation. May cause an allergic skin reaction. Avoid breathing vapors. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves and eye protection.

SKIN CONTACT: Wash with plenty of soap and water. If skin irritation or rash occurs, get medical attention.

INHALATION: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

VOC <25 g/L

WARRANTY

In connection with the sale of this product, Teakdecking Systems Inc (TDS) makes no warranty of suitability for any specific purpose. In lieu of all warranties expressed or implied, TDS will refund the purchase price of any defective material. In no case will TDS be liable for incidental or consequential damages.

NOTICE: The information herein is based on data available to us and is believed reliable. Since the use of this product is beyond our control, there is no expressed or implied warranty of results, or that such use will not infringe on any patents. The product is furnished on the condition that the user will determine its suitability, and that the user assumes all legal responsibility, and that neither seller nor manufacturer shall be liable for any injury, loss, damage or consequential loss, arising from use or inability to use the product. We make no guarantee that the suggested health and safety precautions will be adequate