



PILEFORM™ JOINT FILLER

Underwater Joint and Seam Filler

PRODUCT DESCRIPTION

Five Star Marine® PileForm™ Joint Filler is a one component, 100% solids, solvent-free adhesive and void filler for use on multiple substrates in continuous contact with water. This product is suitable for use in both fresh and saltwater. Five Star Marine® PileForm™ Joint Filler can be used to fill voids or gaps of up to 3/4". Perfect as a sealer/adhesive for use with PileForm™ F Fiberglass Reinforced Jackets and for bridging marine material transitions and joints and seams.

ADVANTAGES

- Fills gaps up to 3/4" on above and below the water line
- Superior shore hardness
- Remains flexible and suitable for use where shock, vibration, shrinking or swelling are concerns.
- Environmentally friendly—solvent free, isocyanate free and low VOC
- Tack free in < 30 minutes in water for increased productivity
- Non-sag for ease of placement

USES

- Fill and repair voids in multiple substrates above or below the waterline
- PileForm™ F Tongue-and-Groove closures
- Can be used as emergency water stop above or below the waterline
- Concrete, fiberglass, galvanized metals, pressure-treated lumber, masonry, steel, wood, wood piles
- Underwater mechanical penetrations
- Detailing filler for underwater applications

PACKAGING

Five Star Marine® PileForm™ Joint Filler is packaged in 20 oz. sausage tubes for use in manual or pneumatic guns.

SHELF LIFE

One year from manufacture date in original unopened packaging when stored in dry conditions below 80°F (27°C).

Note: Due to the wide variety of substrates, preparation methods, application methods and environments, always test a small area of substrate to verify desired results.

TYPICAL PROPERTIES AT 70°F (21°C)	
Cured Properties at 21 Days	
Tensile Bond (Fiberglass)	175 psi
Hardness, Shore A, ASTM D 2240	60
Tensile Strength, ASTM D 412	260 psi (1.8 MPa)
Elongation, ASTM D 412	250%
Peel Strength, ASTM D 1004	60 lbs/in (1,056kg/m)
Uncured Properties	
Cure Rate	1/4" - 16 hours
VOC Content	< 30g/liter

The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations from the data shown above may result. Test methods are modified where applicable.

Placement Guidelines

1. **Surface Preparation:** Surfaces must be clean, sound, and free of any marine growth, dirt, oxidation, rust or other bond inhibiting contaminants. High-pressure water blasting or abrasive blasting of surfaces is recommended. Coat areas as soon as possible after surface preparation to minimize corrosion to newly prepared surfaces.
2. **Placement:** Place cartridge in appropriate sausage gun with applicable tip to achieve desired bead of material. Dispense following application gun's instructions. Five Star Marine® PileForm™ Joint Filler should be applied at water and surface temperatures of at least 40°F (5°C) and rising. Water temperatures must be between 40°F - 100°F (5°C - 38°C).
3. **Clean-up:** Mineral Spirits, Denatured Alcohol, or VM&P solvent may be used for clean up of tools and equipment.

NOTE: PRIOR TO APPLICATION, READ ALL PRODUCT PACKAGING THOROUGHLY. For more detailed placement procedures, refer to Design-A-Spec™ installation guidelines or call the Five Star Marine, Inc. Engineering and Technical Service Center at 1-800-338-3145.

Caution:

Irritant, toxic, strong sensitizer. This product may cause skin irritation. Do not inhale vapors. Provide adequate ventilation. Protect against contact with skin and eyes. Wear rubber gloves, long sleeve shirt, goggles with side shields. In case of contact with eyes, flush repeatedly with water and contact a physician. Areas of skin contact should be promptly washed with soap and water. Wash thoroughly after handling. Do not take internally. Keep product out of reach of children. Keep container closed when not in use. **PRIOR TO USE, REFER TO MATERIAL SAFETY DATA SHEET.**

For worldwide availability, additional product information and technical support, contact your local Five Star Marine, Inc. sales representative, or you may call the Five Star Marine, Inc. Engineering and Technical Service Center at 1-800-338-3145.

SKU / PRODUCT CODE	DESCRIPTION	UNIT SIZE
30841	PileForm™ Joint Filler	12—20 oz. Tubes

WARRANTY: "FIVE STAR MARINE, INC. (FSM) PRODUCTS ARE MANUFACTURED TO BE FREE OF MANUFACTURING DEFECTS AND TO MEET FSM'S CURRENT PUBLISHED PHYSICAL PROPERTIES WHEN APPLIED IN ACCORDANCE WITH FSM'S DIRECTIONS AND TESTED IN ACCORDANCE WITH ASTM AND FSM STANDARDS. HOWEVER, SHOULD THERE BE DEFECTS OF MANUFACTURING OF ANY KIND, THE SOLE RIGHT OF THE USER WILL BE TO RETURN ALL MATERIALS ALLEGED TO BE DEFECTIVE, FREIGHT PREPAID TO FSM, FOR REPLACEMENT. THERE ARE NO OTHER WARRANTIES BY FSM OF ANY NATURE WHATSOEVER, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IN CONNECTION WITH THIS PRODUCT. FSM SHALL NOT BE LIABLE FOR DAMAGES OF ANY SORT, INCLUDING PUNITIVE, ACTUAL, REMOTE, OR CONSEQUENTIAL DAMAGES, RESULTING FROM ANY CLAIMS OF BREACH OF CONTRACT, BREACH OF ANY WARRANTY, WHETHER EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR FROM ANY OTHER CAUSE WHATSOEVER. FSM SHALL ALSO NOT BE RESPONSIBLE FOR USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT HELD BY OTHERS."

Five Star Marine, Inc.
Corporate Headquarters
750 Commerce Drive
Fairfield, CT 06825 USA
Tel: 203-336-7919 • Fax: 203-336-7939
5Star-Marine.com

Specifications subject to change.

© 2012 Five Star Marine, Inc. (09-05-2012)
A FIVE STAR PRODUCTS, INC. AFFILIATE
American Owned & Operated

