



PileForm™ N

Nylon Pile Jacket System

DESCRIPTION

Five Star® Marine PileForm™ N nylon pile jackets meet and exceed marine engineering specifications for use in severe hostile marine environments where exposure to chemical pollution, oils, acids, salt water and tidal action may occur.

USES

Five Star® Marine PileForm™ N nylon pile jackets can be used around timber, steel or concrete piles. PileForm™ N is made of high-strength synthetic ballistic nylon and woven to create a water-permeable fabric that can serve as both a filter and fabric form.

BENEFITS

- Ease of installation
- Lightweight for easy maneuvering by divers
- Non-corrosive
- High-strength
- Excellent Solvent and Chemical Resistance
- Lowest labor cost for pile restoration

Sizing & Configuration

Five Star® Marine PileForm™ N nylon pile jackets are available in lengths of 1' to 50' (feet). All seams are folded and double needle stitched. The fitted high-strength zipper is constructed of brass teeth on nylon, mildew-proof tape. Custom sizes are also available, consult Five Star Marine for further information.

Typical Properties	
Material Type	1/1050/140 T-715 High Tenacity Nylon
Type Selvage	Hot Melt Fused
Weave	2 x 2 Basket
Width (Inches) ASTM D 3774	65.0 Min. – 67.0
Weight (Oz ² /Yd) ASTM D 3776	12.15 Nominal
Ends/Inch (Warp) ASTM D 3775	43 +/- 1
Picks/Inch (Fill) ASTM D 3775	41 +/- 1
Gauge Thickness (Inches) ASTM D 1777	0.014 Nominal
Grab Tensile Warp (lbf) ASTM D 5035	1,100 Nominal
Grab Tensile Fill (lbf) ASTM D 5035	1,000 Nominal

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.



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INSTALLATION GUIDELINES

The quickest installation procedure for Five Star Marine's PileForm™ N Nylon Jacket System would be an in-water application performed by a single diver. The vertical closure is by a heavy-duty brass tooth zipper. In installations where the jacket is to extend below the mud line, the sea floor should be excavated to permit installation over at least one foot of sound pile. The piles must be cleaned to produce a sound substrate as detailed below; badly deteriorated sections can be removed and replaced with a screw jack. Reinforcing steel and standoffs may then be placed, if required. The PileForm™ N Nylon Jacket is hung from a suspender ring, zipped closed and secured at the bottom. Mortar is injected through hoses extending to the bottom of the jacket. The jackets can be either tremie poured or pumped via self-closing integral pump ports. The hanger assembly is removed when the installation is complete.

Surface Preparation: Concrete, steel or timber piles must be clean and sound prior to installation of Five Star Marine PileForm™ N Nylon Pile Jackets. Mechanically prepare substrate using high-pressure water blasting or similar mechanical means to remove all loose material, marine growth, oxidation and all other contaminants that can inhibit bond of fill material.

For worldwide availability, additional product information and technical support, contact your local sales representative, or you may call Five Star's Engineering and Technical Service Center at (800) 243-2206.

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