



# **PileForm™ SPB** Scour Protection Bags

## **PRODUCT DESCRIPTION**

Five Star® PileForm™ SPBs are superior geo-fabric grout bags which exceed engineering specifications for use in severely hostile marine environments. Ice, floating debris, chemical pollution, oils, acids, salt water and tidal pumping and wave action are no threat to the PileForm™ SPBs. PileForm™ SPB material is spun bond polyester weave.

## **ADVANTAGES**

- Underwater forms for void repair
- Rip rap to prevent undermining
- Pipeline support to fill scour areas
- Channel lining to prevent future scouring
- Cable protection to cover cable and providing anchoring
- Waterfront protection to dissipate wave action along riverfronts, canals or beaches.

## **BENEFITS**

- Ease of installation
- UV resistant
- High flexural and tensile strengths
- Very low water absorption
- Excellent solvent and chemical resistance
- High abrasion and impact resistance

Five Star® PileForm™ SPB Scour Protection Bags represent a revolutionary step in the technology of underwater grout bag repairs. Our spun bond polyester weave provides the strength and durability for both temporary and permanent repairs. A pumping port, centrally located, is sewn in place to self-seal upon removal of the injection pipe. The porous mesh permits excess water to bleed off resulting in a high quality grout installation.

Where the bags are used as forms for void repairs, they can be stacked and pinned together with rebar. Pumping and relief ports are installed into the void area to permit complete filling of the undermined section. Bags can be pumped 18" to 24" thick.

For armor plating of river or streambeds, to fill scour holes and line the channel, the bags can be pumped 6" to 8" thick with bags laid edge to edge. Where riprap placement is called for on small bridges, the bags provide a very low cost method of scour protection.

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

## **PLACEMENT GUIDELINES**

Typically, a three-man crew and a small grout pump is all that is required for production pumping of 15 to 20 cubic yards in a day. PileForm™ SPB grout bags tend to lay flat for easy diver placement, without the floating and twisting associated with other products.

## **TECHNICAL SERVICES**

Complete technical and specification services are available from the manufacturer and their authorized representatives and distributors.

## **FILLING SYSTEM**

Additional literature and the Safety Data Sheet can be obtained from Five Star Products, Inc., upon request.

**NOTE: PRIOR TO APPLICATION, READ ALL PRODUCT PACKAGING THOROUGHLY.** For more detailed placement procedures, refer to Five Star® Design-A-Spec™ installation guidelines or call Five Star Products' Engineering and Technical Service Center at 1-800-243-2206.

For worldwide availability, additional product information and technical support, contact your local Five Star® distributor, local sales representative, or call Five Star Products' Engineering and Technical Service Center at 1-800-243-2206.

<b>SKU / PRODUCT CODE</b>	<b>DESCRIPTION</b>	<b>#UNITS/PALLET</b>	<b>UNIT SIZE</b>
60954	Pileform™ SPB (Scour Protection Bags)	Call	Call

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Specifications Subject to Change.  
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