

SR.FLOT™

BUOYANCY BILLET FOR DOCK AND FLOATING STRUCTURE

The SR.Flot™ buoyancy billets produced by Styro Rail Inc. are composed of high density expanded polystyrene [EPS] with a low water absorption rate.



CHARACTERISTICS

OFFERS EXCELLENT BUOYANCY CHARACTERISTICS
897 KG/M³ [56 LBS/FT³]

OFFERS A HIGH DENSITY [1.5 LBS/FT³ AS PER ASTM C303]

LOW WATER ABSORPTION RATE [BELOW 2% AS PER
ASTM D2842]

WON'T LOSE BUOYANCY CAPACITY EVEN IF DAMAGED

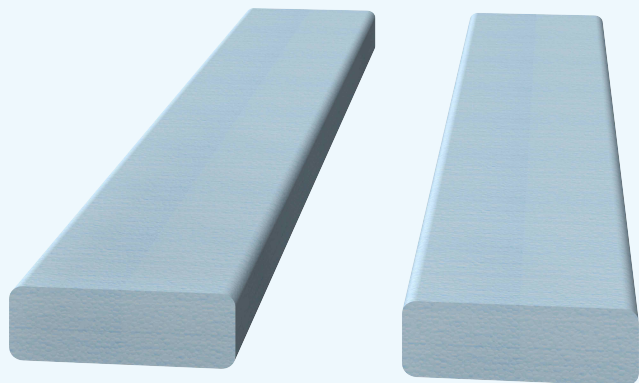
UNAFFECTED BY MARINE SALT OR GROWTH

RESISTANT TO FREEZE-THAW CYCLES

WITHOUT HCFC, HFC GASES OR HBCD

INERT MATERIAL WHICH DOES NOT CONTAIN
ORGANIC MATTER OR NUTRITIONAL VALUE FOR
PLANTS OR ANIMALS

REPLACEMENT ALTERNATIVE FOR PLASTIC DRUMS
WHILE THE FLOATING STRUCTURE IS STILL IN
THE WATER



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AVAILABLE DIMENSIONS

DIMENSIONS		BUOYANCY	
152 mm x 406 mm x 2438 mm	[6" x 16" x 96"]	130 kg	[287 lbs]
152 mm x 610 mm x 2438 mm	[6" x 24" x 96"]	200 kg	[441 lbs]
203 mm x 406 mm x 2438 mm	[8" x 16" x 96"]	175 kg	[386 lbs]
203 mm x 508 mm x 2438 mm	[8" x 20" x 96"]	220 kg	[485 lbs]
203 mm x 610 mm x 2438 mm	[8" x 24" x 96"]	265 kg	[584 lbs]
254 mm x 508 mm x 2438 mm	[10" x 20" x 96"]	275 kg	[606 lbs]
254 mm x 610 mm x 2438 mm	[10" x 24" x 96"]	330 kg	[728 lbs]
305 mm x 406 mm x 2438 mm	[12" x 16" x 96"]	265 kg	[584 lbs]
305 mm x 610 mm x 2438 mm	[12" x 24" x 96"]	400 kg	[882 lbs]

Other widths available upon request.

RECOMMENDED USE

Install SR.Flot™ buoyancy billets to support wood and aluminum structures of floating docks, rafts, boathouses and slipways. Can be used both for floating structures and to replace existing plastic drums.

INSTALLATION

Use the maximum weight of the floating structure in order to calculate the necessary buoyancy*/2. By using half of the weight of the floating structure, half of the thickness of the buoyancy billets will be above water.

* The maximum weight include the weight or the materials used, furnishings and the maximum number of people.

To ensure a maximum stability, firmly anchor the floating structure.

Wooden portions of floating structures can be subject to water decay. Use treated wood or naturally resistant wood to water decay. Materials in contact with the buoyancy billets should be clean and free from oil residue.

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ENVIRONMENTAL DATA

The expanded polystyrene used in the making of the SR.Flot™ buoyancy billets are composed of 98% air and 2% plastic material. They are manufactured without HCFC, HFC gases and without HBCD flame retardant.

STORAGE AND COVERING

In order to limit mechanical damage of ice movement, store floating structures out of the water during winter. Protect exposed sides of the buoyancy billets with rigid boards or protection skirts.

During storage or long term exposure, cover the buoyancy billets with a tarp or film in order to limit the color loss from UV exposure.

In order to limit degradation of the buoyancy billets by rodents, install a corrosion-resistant mesh under the floating structure.

EXEMPTION OF LIABILITY

The information herein is based on the present state of our best scientific and practical knowledge. The user is responsible for checking the suitability of products for their intended use. STYRORAIL™ technical data sheets are updated on a regular basis; it is the user's responsibility to obtain and to confirm the most recent version. Information contained in this data sheet may change without notice.

LIMITATIONS

Expanded polystyrene is combustible. Even if expanded polystyrene contains a flame retardant, limit use of open flame or ignition sources near product.

Expanded polystyrene may be affected by some oil based solvents. Avoid contact between buoyancy billets and oil based solvents or their emanations. If pollution by industrial waste is suspected, reaction of the buoyancy billets should be checked prior to the floating structure installation. In case of extreme water pollution, an additional protection – such as epoxy coatings [solvent free] compatible with expanded polystyrene – may be required.