

# JCII Island Brown Nonwoven Matrix

## PRODUCT SPECIFICATIONS



### 1.0 Description

The JCII Island Brown nonwoven material (matrix) is constructed of polyester fibers in a textured nonwoven fabrication.

### 2.0 Properties

Property	Value
Thickness - mm (a)	43
Weight - oz./yd. <sup>2</sup> (a)	43
Tensile-lb./in. (min.)	20
Tear-lb./in. (min.)	20
Fiber Type	100 % Recycled Polyester
Binder System	Cross Linkable Water Based Latex
Binder Application	Spray/ Thermal bond
Color	Brown
Surface Area sq. ft./ cubic ft. of matrix	124
Volumetric Displacement (ml/cubic ft.) (c)	1015
Toxicity Testing	Passed
Primary Usage	Floating Islands
Packaging (b)	Rolls

Note: Due to the intrinsic properties of the material and variable conditions of use, there may be slight variations in the specifications and results. Please contact Americo with any questions or concerns.

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(a) + or - 10%

(b) Other special packaging available with cost considerations.

(c) Volumetric displacement is a method of measurement that involves immersing a specified volume of matrix under water and measuring the amount of water displaced into a graduated reservoir from an overflow tube. This method gives an accurate representation of surface area in a matrix by taking into account the expanded surface area of the fiber from binder and binder globules at fiber crossover points.

### 3.0 Use

This material (matrix) is a proprietary, custom OEM product developed for use by Floating Island International and its licensee holders as a component of, including but not limited to, BioHaven® floating islands and floating treatment wetlands.

### 4.0 Construction

100% of the polyester fiber in the JCII Island Brown nonwoven material (matrix) comes from post consumer and industrial recycled waste. The primary source of this material is recycled water and soda bottles. We use only water based latex resins in our manufacturing process. No phenol-formaldehyde resins are used in our binding process.

### 5.0 “Green” Initiative

- Polyester fiber used in our material comes from 100% post consumer and industrial recycled waste product.
- Water Based Latex Resins are used in the manufacturing process. No phenol-formaldehyde resins are used in our binding process.
- Plant is operating under EPA approved Clean Air Permit.

### 6.0 Product Care

To prolong the life of the JCII Island Brown material (matrix), it is recommended that the product be stored indoors or wrapped in UV resistant packaging if stored outdoors. Product should be completely dry prior to any chemical alterations of this product for conversion.

### 7.0 Sizes

Roll Size (width)	Standard Roll Length
90 inch	30 linear yards

Additional sizes available.