



## 1.0 DESCRIPTION

IVI-GOLF offers the Johns Manville geotextile known as Evalith® 013/140 for golf course construction. Commonly known in the industry as “GEO-JM Fabric”, Evalith® 013/140 is a high-quality geotextile designed for use in golf course bunkers as a barrier between bunker sand and the underlying substrate.

Evalith® 013 continuous filament polyester nonwovens, manufactured using Spunbond technology, are needle-punched for mechanical integrity.

## 2.0 PROPERTIES

Physical Property	Value
Color	White
Weight - oz ft <sup>2</sup> / g m <sup>2</sup>	4.2 / 142
Thickness - mils / mm	70.1 / 1.78
Fiber Type	Nonwoven Polyester
Binder	n/a
Area Per Roll - ft <sup>2</sup> / m <sup>2</sup> 15.5' x 400' (4.72m x 121.92m)	6,200 (576)

## 3.0 USE

Evalith® 013/140 is used for golf course bunkers on the bases of the bunker only in order to combat sand contamination. It is used along the bunker bases and carries into bunker drainage. It can be used in hybrid configurations with our popular Sandtrapper Bunker Liner products.

## 4.0 CONSTRUCTION

Evalith® 013/140 is a needle-punched spunbond polyester nonwoven.

## 5.0 GREEN INITIATIVE

Manufacturing plants operate under EPA approved Clean Air Permit.

## 6.0 PRODUCT CARE

To prolong the life of the Evalith® 013/140 material, it is recommended that the product be stored indoors.

Physical Property	Value
Tensile MD (lbs ft <sup>2</sup> / daN)	150.8 / 67
Tensile CMD (lbs ft <sup>2</sup> / daN)	126.0 / 56
Tear MD (lbs ft <sup>2</sup> / daN)	54.0 / 24
Tear CMD (lbs ft <sup>2</sup> / daN)	49.5 / 22
Elongation % MD	75

