

## Data Sheet

# GreenWeld™ PVB

Flashing Membrane



## PRODUCT OVERVIEW & FEATURES

GreenWeld PVB is a monolithic sheet that provides strong waterproofing protection for a variety of flashing applications. It is made up of an aluminum mesh reinforcement bonded with a monolithic layer of modified polyvinyl butyral coating. GreenWeld can maintain flexibility in temperatures as low as -4°F (-20°C), providing superior performance even in the harshest weather. Not only is GreenWeld extremely malleable with up to 40% elongation, it is also easily heat-welded to itself and attached to a substrate with GreenWeld Adhesive/Sealant, making application hassle-free.

GreenWeld delivers reliable waterproofing in a variety of applications, including:

- Flashing pipe penetrations and support beams
- Water barriers for cavity walls and beneath casings
- Connection between outside walls and extensions
- Liner for gutters and also for valleys of shingle, tile and aluminum metal roofs
- May contribute to LEED V4 EQ Material Resource Credit 4.1
- Joint between dormers and skylights
- Through-wall flashings
- Replacement for lead flashing in roof drain assemblies

## WARNINGS & LIMITATIONS

- When applying GreenWeld, only use the approved sealant: GreenWeld Adhesive/Sealant (A/S)
- The dimple-side of the membrane must be downward facing when adhering to substrates
- Use a hot air welding gun in accordance with manufacturer's instructions
- Do not use open flames

## APPLICATION

Tools required for GreenWeld application include sharp scissors for cutting material, hot air welding gun, hand roller (steel or neoprene) and caulk gun. GreenWeld must be adhered to the substrate using GreenWeld A/S. GreenWeld is packaged with a release liner on each side of the membrane. A 2" grid printed on the release membrane allows pieces to be pre-measured easily.

To begin installation, place beads of GreenWeld A/S on the substrate at 3-4" o.c. with the dimple-side of the membrane facing down. Then, press GreenWeld into the adhesive/sealant with a hand roller to ensure full contact with the material. There should be a 2" minimum overlap of the membrane. Heat-weld seams together with a hot air welder and a flat angled tip set at manufacturer's recommended heat settings. Seal all exposed edges of membrane with the adhesive/sealant.

Installation steps vary based on the specific application; see installation guide for more details.

## SIZES

GreenWeld is available in 19.5' rolls.

GreenWeld is available in three widths: 10", 20" and 39".

## STORAGE & HANDLING

GreenWeld should be stored in a dry location and kept in an upright position in its original packaging. If stored on the roof, all product must be under a tarp at all times. Rolls and containers that are improperly stored or have been warehoused for prolonged periods of time could potentially be damaged.

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## DATA & TESTING

Property	Typical Value
<b>Color</b>	Light Grey
<b>Weight</b>	0.85 lbs/ft <sup>2</sup>
<b>Reinforcement</b>	Metallic (Aluminum)
<b>Nominal Thickness</b> D 751, Micrometer	110 mils
<b>Thickness Over Reinforcement</b>	Approx. 40 mils
<b>Reflectance, initial</b> C 1549	0.21
<b>Thermal Emittance, initial</b> C 1371	0.97
<b>SRI, initial</b> E 1980	23
<b>Compound Stability</b> D 5147	Passed 225°F
<b>ASH content, polymer only</b>	3.18%
<b>Breaking Strength, (lbf)</b> D 751, proc. B - strip	MD – 83 XD – 170
<b>Tearing Strength, min. lbf</b> D 751	MD – 46 XD – 43
<b>Low Temperature Bend (°F)</b> D 2136	-60°F Pass
<b>Puncture Resistance (lbs)</b> D 751	52
<b>Seam Strength, min., lbf</b> D 751, Grab Method	150
<b>Permeability</b> E 96, Proc. B	0.0095 perms
<b>Fungi Resistance</b> G 21	Passed; zero growth in 28 days

Property	Typical Value
<b>Recycled Content</b>	98%
<b>Pre-Consumer</b>	78%

GreenWeld is a trademark of  
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