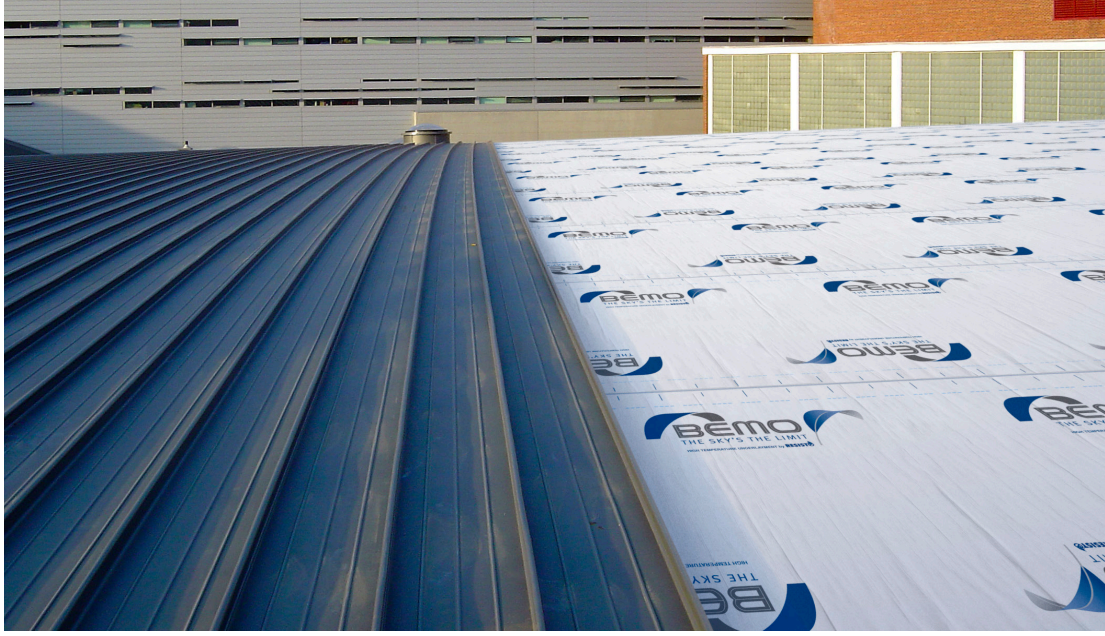
BEMO
Inspiring Metal Envelopes



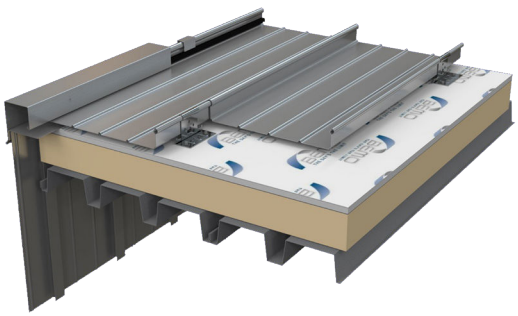
BEMO HT Underlayment

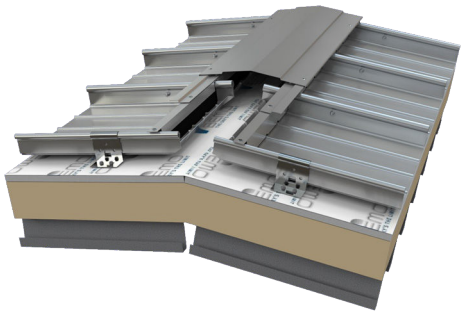
The High-Performance High-Temperature Underlayment designed specifically for metal roofing assemblies.

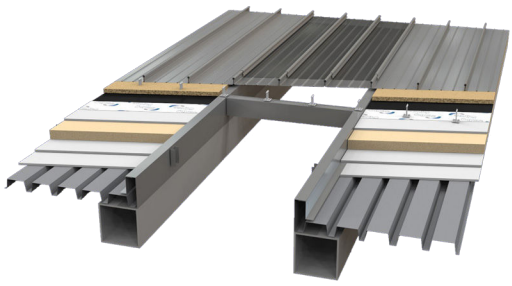
BEMO HT is a 40-mil thick, self-adhering membrane composed of elastomeric bitumen and a woven polyethylene complex. This nonslip, flexible, self-sealing membrane can be used in outdoor temperatures ranging from 0° F to 250° F (-17° C to 121° C). It has an easy-to-remove silicone-treated release sheet (split-back) on the self-adhesive side.

by RESISTO

- 40 mil thick – Tri-Laminate
- White cover sheet – more energy efficient
- Self-sealing
- Anti-slip cover sheet
- Clean, fast and easy installation
- UV resistant allowing up to 120 days* exposure time
  *See table "Comments" on back
- High tensile strength
- Approximately 400% stronger adhesive strength than other underlayments







BEMO HT Underlayment

Properties	Standards	BEMO Xtreme high temp. underlayment	Comments
Color		White	"Cooler" roof with white membrane, lower energy costs – black absorbs heat
Thickness (mm)		1.0 (40 mil)	More protection than many similar products
Dimension (m)		19.8 x 0.91 (65 x 3 ft)	Efficient coverage
Top face		Tri-laminate woven HDPE	The Tri-laminate won't curl like the cross laminates under extreme heat exposure
Underface		Split-back UV resistant plastic release film	Doesn't need to be boxed to keep its tackiness – less construction debris
Tensile Strength, MD/XD (kN/m²)	ASTM D412 Die C	11200/13100 (1624/1900 psi)	Approximately 500% stronger than similar products
Ultimate elongation, MD/XD (%)	ASTM D412 Die C	88/55	Less elongation equals much less construction foot traffic damage
Low temperature flexibility (°C)	ASTM D1970	-30° (-22° F)	Meet industry recommendation
Working temperature	ASTM D1970	250° F	Lower elongation is desired in high temperature environments since it holds up much better during construction while it is exposed
Recommended exposure duration	Manufacturers recommendation	120 days	1. All installed HT must be regularly inspected from the date of installation through to covering it with BEMO roof panels. 2. Inspections are required to identify any and all construction, foot traffic, material damage, prevailing wind damage at seams and the appropriate corrective measures will be taken to repair those areas each month. 3. It is to be understood that it is possible that the Tri-laminate cover sheet could separate from the bitumen weatherproofing materials. This does not impact the weather properties of the material but the loose materials should be cut away and removed from the roof.
Adhesion to plywood @ 50° F (N/m)	ASTM D903	2000 (11.4 lbs/in. width)	Approximately 4 times better adhesion than similar products
Permeance (max) ng/m²s Pa	ASTM E96	0.90 (0.016perm)	Very efficient due to thickness
Material weight installed (kg/m²)	ASTM D461	0.90 (0.18 lb/ft²)	Overall less weight for the structure

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