DURO-LAST® A.R.P. MEMBRANE

DESCRIPTION:

Duro-Last® A.R.P. (Asphalt-Resistant PVC) Membrane is specially formulated to be compatible with asphalt-based products. This allows for tie-ins between asphalt-based products and Duro-Last, Duro-Tuff®, Duro-Fleece®, or Duro-Last EV membranes.

A.R.P. is composed of a black PVC film laminated to both sides of a weft-inserted reinforcement fabric. The PVC film is a proprietary thermoplastic formulation that is resistant to ultraviolet rays, microorganisms, caustic chemicals, petroleum products, animal fats and acids.

The 18 x 14 polyester fabric with weft insertion, composed of 840 x 1000 denier threads, provides superior tear and puncture resistance. The polyester thread is treated to prevent wicking.

ORDERING:

A.R.P. can be custom-cut as needed to complete tie-in details. Typical widths are between 12 to 18 inches. Length is restricted to roll sizes of 250 feet.

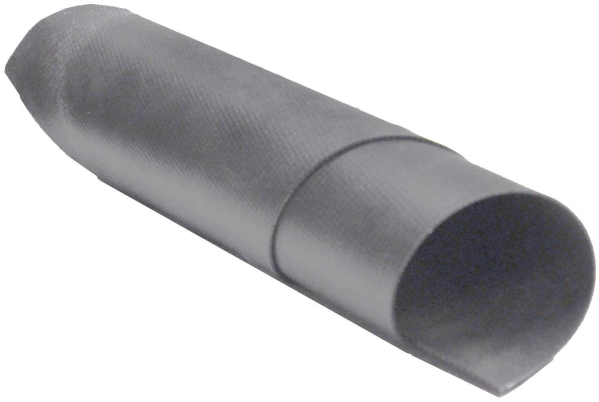
A.R.P. can also be added to custom-fabricated deck or parapet sections with the A.R.P. running parallel to the fastening tabs.

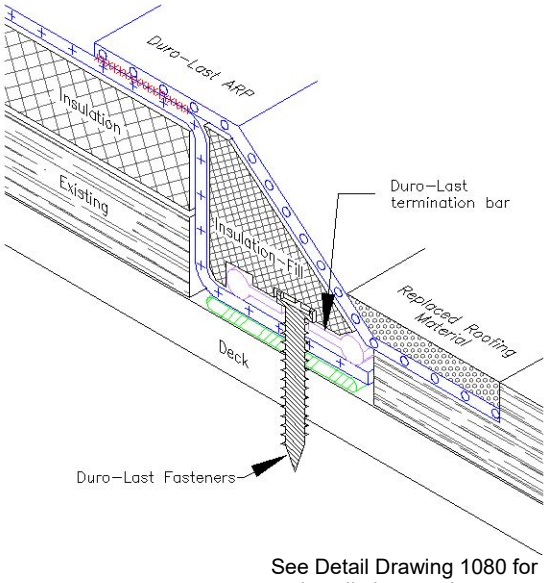
PRECAUTIONS:

1. Read Safety Data Sheets (SDS) prior to using.
2. Wear proper personal protective equipment, such as gloves and eye protection, per the SDS.
3. **A.R.P. membrane must only be used for tie-in details and is not meant to be used for primary waterproofing.**

INSTALLATION:

1. Weld A.R.P. membrane to any Duro-Last, Duro-Tuff, Duro-Fleece, or Duro-Last EV membrane using a hot-air welder. Follow tie-in procedures of Detail Drawing 1080.





See Detail Drawing 1080 for installation requirements.

TABLE 1. PHYSICAL PROPERTIES

	Test Method	U.S.	Metric
Thickness (Nominal)	ASTM D751	0.030 in. (30 Mil)	0.762 mm
Weight	ASTM D751	0.21 lb/ft^2	1.03 kg/m^2
Tear Strength	ASTM D4533	94 x 68 lbf	127 x 92 Nm
Breaking Strength	ASTM D751	450 x 390 lbf/in.	79 x 68 Nm/m
Hydrostatic Resistance	ASTM D751 Procedure A	> 660 psi	> 4550 kPa
Dimensional Stability	ASTM D1204	-0.7 x 0.03%	-0.7 x 0.03%
Low Temperature Flexibility	ASTM D2136 0.125-in. (3.175 mm) Mandrel	No Cracks -25° F	No Cracks -31.7° C
Puncture Resistance	ASTM D4833	> 180 lbf	> 244 Nm

Created: 01/01/2009 Revised: 10/10/2014, 05/19/2015, 06/26/2018