



PRODUCTS FOR OUR ENVIRONMENT

TECHNICAL DATA SHEET

ERS-7000 EPDM Black

P/N: 025-0025 10'x50' .045 mil
025-0026 10'x100' .045 mil
025-0030 10'x50' .060 mil
025-0031 10'x100' .060 mil

For Professional Use Only



PRODUCT DESCRIPTION:

ERS-7000 EPDM Black membranes are high performance non-reinforced membranes that stand up to tearing, impacts, punctures and normal roof traffic. The elastomeric properties of the EPDM membranes perform under conditions of thermal shock and building movement. ERS-7000 EPDM Black provides excellent resistance to ozone and aging. ERS-7000 EPDM Black is manufactured in accordance with the guidelines established by the RMA (Rubber Manufacturers Association) and meet or exceed the ASTM Standard Specification D 4637. **ERS-7000 EPDM Black membranes are Fire Retardant (FR) membranes specially formulated to inhibit spread of flame and meet or exceed code body testing criteria for fire retardant roofing membranes.**

RECOMMENDED USES:

ERS-7000 EPDM Black can be installed as a new elastomeric roofing membrane in ballasted and fully adhered roofing systems.

ADVANTAGES:

- Economical system
- Ease of Installation
- Outstanding weatherability
- Lightweight
- Can eliminate tear-off of existing roof if appropriate

PACKAGING:

Roll sizes for .045 mil and .060 mil ERS-7000 EPDM Black are: 10' x 50' and 10' x 100'.

SYSTEM ACCESSORIES:

A full line of accessories is available from Ecology Roof Systems including flashings, membranes, bonding adhesives, splice adhesives, in-seam tapes, cured cover tapes, tape primer, lap sealant, seam cleaner, water cut-off mastic, pourable sealer, pre-formed pipe boots, walk pads, termination bars, fasteners and plates.

PHYSICAL PROPERTIES:

Physical Properties	Test Method	Standards	Typical Values	
			.045	.060
Tolerance on Nominal Thickness, %	ASTM D 412	± 10	+ 10	+ 10
Weight, lbm/ft ² (kg/m ²)			0.26 (1.3)	0.35 (1.7)
Tensile Strength, min, psi(Mpa)	ASTM D 412	1305 (9)	1550 (10.7)	1550 (10.7)
Elongation, Ultimate, min, %	ASTM D 412	300	480	480
Tear Strength, min, lbf/in (kN/m)	ASTM D 624 (Die C)	150 (26.3)	200 (35.0)	200 (35.0)
Facto Seam Strength, min.	ASTM D 816 (Modified)	Membrane Rupture	Membrane Rupture	Membrane Rupture
Resistance to Heat Aging*	ASTM D 573			
Properties after 4 weeks @ 240°F(116°C)				
Tensile Strength, min, psi(MPa)	ASTM D 412	1205(8.3)	1500(10.3)	1500(10.3)
Elongation, Ultimate, min, %	ASTM D 412	200	225	225
Tear Resistance, min, lbf/in(kN/m)	ASTM D 624	125(21.9)	215 (37.6)	215 (37.6)
Linear Dimensional Change, max, %	ASTM D 1204	+ 1.0	-0.4	-0.4
Ozone Resistance*				
Conditions after exposure 100 pphm	ASTM D 1149	No Cracks	No Cracks	No Cracks
Ozone in air for 168 hrs @ 104°F(40°C)				
Specimen is at 50% strain				
Brittleness Temp., max, deg. F (deg.C)	ASTM D 746	-49 (-45)	-67 (-55)	-67 (-55)
Resistance to Water Absorption*				
After 7 days immersion @ 158°F (70°C),	ASTM D 471	+8, -2	+2.0	+2.0
Change in mass, max, %				
Water Vapor Permeability*	ASTM E 96	0.10	0.05	0.05
MAX. perm mils	(Proc. B or BW)			
Resistance to Outdoor (Ultraviolet)				
Weathering Xenon-Arc, 4000 hrs.	ASTM G 155	No Cracks	No Cracks	No Cracks
exposure, 176°F (80°C) black panel		No Cracking	No Cracking	No Cracking
temperature				
*Not a Quality Control Test due to the time required for the test or the complexity of the test. However, all tests run on a statistical basis to ensure overall long-term performance of the sheeting.				

Ecology Roof Systems®

Corporate Offices

9821 Olde Eight Road, Unit F, Northfield, OH 44067

PHONE: 330-467-4220 FAX: 330-467-4225

www.ecologyroof.com

REGIONAL OFFICES LOCATED ACROSS THE U.S.

To the best of our knowledge, all technical data contained herein is true and accurate as of the date of issuance and subject to change without prior notice. User must contact Ecology Roof Systems to verify correctness before specifying or ordering. We guarantee our products to conform to the quality control standards established by Ecology Roof Systems. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY ECOLOGY ROOF SYSTEMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.