Technical Information Sheet



PONDGARD™ RUBBER LINERS

Item Description	Item Number
0.045" EPDM Rubber Liner	Various

DESCRIPTION

PondGard Rubber Liners are a cured single-ply membrane made from an EPDM polymer formulated to be fish and plant friendly.

PRODUCT PREPARATION

1. Substrates must be clean, dry, smooth, and free of sharp edges, fines, loose or foreign materials, oil, grease, and other materials that may damage the geomembrane.
2. All roughened surfaces that can damage the geomembrane shall be repaired as specified to offer a smooth substrate.
3. All substrate voids greater than 6 mm (0.25") wide shall be properly filled with an acceptable fill material.

METHOD OF APPLICATION

PondGard Rubber Liners are to be installed in accordance with current Holcim specifications and details.

STORAGE

- Store away from sources of punctures and physical damage.
- Store away from ignition sources as the liner will burn when exposed to open flame.

PRECAUTIONS

- Take care when moving, transporting, handling, etc. to avoid sources of punctures and physical damage.
- Isolate waste products, such as petroleum products, greases, oils (mineral and vegetable) and animal fats from the liner. Contact Holcim Technical Services for specific recommendations.
- Refer to Safety Data Sheets (SDS) for additional safety information.

LEED® INFORMATION

Post-Consumer Recycled Content: 0%

Post Industrial Recycled Content: 0%

Manufacturing Location: Prescott, AR

NOTE: LEED® is a registered trademark of the U.S. Green Building Council

TYPICAL PROPERTIES

Properties	Test Method	Typical Performance
Specific Gravity	ASTM D-792	1.2 gm / 1.2 cc
Unit Weight	ASTM D-751	1.4 kg/m (0.29 lb/ft)
Thickness, Type I	ASTM D-412	1.14 mm +10/-20% (.045" +10/-20%)
Tensile Strength, Die C	ASTM D-412	9.0 MPa (1305 psi)
Ultimate Elongation, Die C	ASTM D412	300%
Tear Resistance, Die C	ASTM D-624	26.27 kN/m (150 lbf/in)
Puncture Resistance	ASTM D-4833	110.8 N (28 lb)
Shore A Durometer	ASTM D-2240	65 – 10
Resistance to Ozone: 7 days/100 @ 37.8 °C (150 °F) 50% ext.	ASTM D-1149	No Cracks
Multiaxial Elongation	ASTM D-5617	100%
Oven Aging @ 116 °C (240 °F) for 670 hours: Tensile Strength Die C Ultimate Elongation, Die C Tear Resistance, Die C	ASTM D-573 ASTM D-412 ASTM D-412 ASTM D-624	--- 8.3 MPa (1205 psi) 200% 21.9 kN/m (125 lbf/in)
Xenon Arc for 5040 (kJ/m2nm @ 340 nm @ 80 °C (176 °F)	ASTM G-155/G-151	---
Visual Inspection – 7X No cracks or crazing bent loop @ 10% strain	ASTM D-518	Pass
Brittleness Point	ASTM D-2137	-45 °C (-49 °F)
Water Resistance Weight after immersion 166 hours @ 70 °C (158 °F)	ASTM D-471	+8.2, -2%
Water Vapor Permeability (max)	ASTM E-96	2.0 perm-mils
Linear Dimensional Change (max)	ASTM D-1204	± 1.0%
Chronic Toxicity Screening	EPA/600/4-89/001 ASTM E-729	Method 1000, Pass

PACKAGING

Dimensions		Packaging	Part Number	Coverage		Weight	
Meters	Feet			Meters^2	Feet^2	Kilograms	Pounds
2.44 x 3.05	8 x 10	Carton	W56PL40801A	7.43	80	11	25
3.05 x 3.05	10 x 10	Carton	W56PL41001A	9.29	100	14	31
3.05 x 4.57	10 x 15	Carton	W56PL41015A	13.94	150	21	47
4.57 x 4.57	15 x 15	Carton	W56PL41515A	20.90	225	32	70
4.57 x 6.10	15 x 20	Carton	W56PL41502A	27.87	300	43	94
4.57 x 7.62	15 x 25	Carton	W56PL41525A	34.84	375	54	118
6.10 x 6.10	20 x 20	Carton	W56PL42002A	37.16	400	57	125
1.52 x 15.24	5 x 50	Roll	W56PL40550	23.23	250	39	86
1.52 x 30.48	5 x 100	Roll	W56PL40510	46.45	500	78	171
3.05 x 15.24	10 x 50	Roll	W56PL41005	46.45	500	78	171

3.05 x 30.48	10 x 100	Roll	W56PL41010	92.9	1000	149	328
4.57 x 15.24	15 x 50	Roll	W56PL41505	69.68	750	113	250
4.57 x 30.48	15 x 100	Roll	W56PL41510	139.35	1500	220	484
6.10 x 15.24	20 x 50	Roll	W56PL42005	92.9	1000	149	328
6.10 x 30.48	20 x 100	Roll	W56PL42010	185.81	2000	290	640
6.10 x 45.72	20 x 150	Roll	W56PL42015	278.71	3000	436	960
6.10 x 60.96	20 x 200	Roll	W56PL42020	371.61	4000	574	1,265
7.62 x 7.62	25 x 25	Roll	W56PL42525	58.06	625	93	203
7.62 x 15.24	25 x 50	Roll	W56PL42505	116.13	1250	184	406
7.62 x 30.48	25 x100	Roll	W56PL42510	232.26	2500	366	807
7.62 x 60.96	25 x 200	Roll	W56PL42520	464.52	5000	720	1,588
9.14 x 15.24	30 x 50	Roll	W56PL43005	83.61	1500	220	485
9.14 x 30.48	30 x 100	Roll	W56PL43010	139.35	3000	437	963
9.14 x 45.72	30 x 150	Roll	W56PL43015	418.06	4500	656	1,445
9.14 x 60.96	30 x 200	Roll	W56PL43020	557.42	6000	862	1,900
10.67 x 15.24	35 x 50	Roll	W56PL43505	162.58	1750	259	572
10.67 x 30.48	35 x 100	Roll	W56PL43510	325.16	3500	508	1,119
10.67 x 60.96	35 x 200	Roll	W56PL43520	650.32	7000	1004	2,213
12.19 x 15.24	40 x 50	Roll	W56PL44005	185.81	2000	295	650
12.19 x 30.48	40 x 100	Roll	W56PL44010	371.61	4000	579	1,276
12.19 x 45.72	40 x 150	Roll	W56PL44015	557.42	6000	869	1,914
12.19 x 60.96	40 x 200	Roll	W56PL44020	743.22	8000	1146	2,526
13.72 x 30.48	45 x 100	Roll	W56PL44510	418.06	4500	656	1,445
15.24 x 15.24	50 x 50	Roll	W56PL45005	232.26	2500	366	807
15.24 x 22.86	50 x 75	Roll	W56PL45075	348.39	3750	458	1,009
15.24 x 30.48	50 x 100	Roll	W56PL45010	464.52	5000	720	1,588
15.24 x 45.72	50 x 150	Roll	W56PL45015	696.77	7500	1,075	2,370
15.24 x 60.96	50 x 200	Roll	W56PL45020	929.03	10000	1,429	3,150
6.10 x 7.62	20 x 25	Mini Roll	W56PL42025	46.48	500	78	171

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