



**PRODUCT DATA SHEET**  
**RUBBERALL® EPDM Membrane**

Water Tight Technologies, LLC  
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**Description:** RUBBERALL® EPDM membrane is a non-reinforced, cured, single-ply roofing membrane that is fire retardant and intended to be fully adhered in slow slope roofing applications.

Physical Properties	ASTM Standard	Performance Minimum	Typical Value **
Thickness, minimum (min.) for overall sheet	D412	Plus or minus 10%	Plus or minus 10%
Tensile Strength, min.	D412 (Die C)	1305 psi	1600 psi
Elongation, ultimate min.	D412 (Die C)	300%	465%
Tear Resistance, min.	D624 (Die C)	150 Lbf/in	200 Lbf/in
Brittleness Temp, max.	D746	-49° F / -45° C	-49° F / -45° C
<i>Heat Aging:</i>			
Tensile Strength, min.	D412 (Die C)	1205 psi	1450 psi
Elongation, ult. min.	D412	200%	280%
Tear Resistance, min.	D624	125 Lbf/in	215 Lbf/in
Water Absorption, max. (mass %)	D471	+8%	+2.0%
Factory Seam Strength, min.	D816 (Method B, modified)	50 Lbf/in or Sheet Failure	Sheet Failure
Water Vapor Permeance, max. perms	E 96	0.10	0.03
Flexibility/Torsion DMA	D5279-08	N/A	225 MPa @ -40° F
Fungi Resistance	G21	N/A	0 – No growth
Resistance to Outdoor (UV) Weathering – Xenon-Arc total radiant exposure at 0.70 W/m <sup>2</sup> Irradiance, 80° C black panel temperature	G155	No cracks No crazing 7,560 kJ/m <sup>2</sup> 3,000 hours	No cracks No crazing 41,480 kJ/m <sup>2</sup> 16,500 hours

\*\* Typical Values: (Based on material tested in our laboratories but variable from sample to sample.) Typical Values should not be construed as a guaranteed analysis of any specific lot or as specification items.

Membrane mil thickness	045 mil (.0405 in.)	060 mil (.059 in.)
Weight	.29 lb./Sq. Ft.	.39 lb./Sq. Ft.
Color	Black	Black or White
Sizes	10'x25'; 10'x50'; 10'x100'; 10'x200'; 15'x100'; 20'x25'; 20'x50'; 20'x100'; 20'x200' (other sizes available for special order)	10'x25'; 10'x50'; 10'x100'; 15'x100'; 20'x25'; 20'x50'; 20'x100'; 20'x200' (other sizes available for special order) White in 10'x50' and 10' x 100' only

**PRECAUTIONS:** Take care when moving, 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 Rubberall® membrane. Refer to Safety Data Sheets (SDS) for safety information.

Use proper stacking techniques. Exercise caution when walking on wet membrane, as slippery when wet.

**Roofing Application Instructions:**

1. Substrate must be clean, dry, smooth and free of sharp edges, loose or foreign materials, oil, grease and other materials that may damage the membrane. All surface voids greater than 1/4" wide shall be properly filled with an acceptable fill material.
2. Install Rubberall® EPDM membrane with Rubberall® water or solvent based adhesive in accordance with the current Rubberall® installation specifications and workmanship requirements at <http://www.watertighttech.com/products/roofing/installation/manual/>

**Recommended Storage:** Store away from sources of punctures and physical damage. Assure that structural decking will support the loads incurred by material when stored on rooftops. The deck load limitations should be specified by the project designer. Store away from ignition sources as membrane will burn when exposed to open flame. Refer to MSDS for safety information

**NOTE:** TECHNICAL INFORMATION AND DATA SHOULD BE CONSIDERED REPRESENTATIVE OR TYPICAL ONLY AND SHOULD NOT BE USED FOR SPECIFICATION PURPOSES.

**User's Responsibility**

This Product Data Sheet cannot cover all possible situations which the user may experience during product application/processing. Each aspect of your operations should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers, along with the applicable MSDS sheet. It is your responsibility to use this information to develop appropriate work practice guidelines and employee instructional programs for your operation.

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