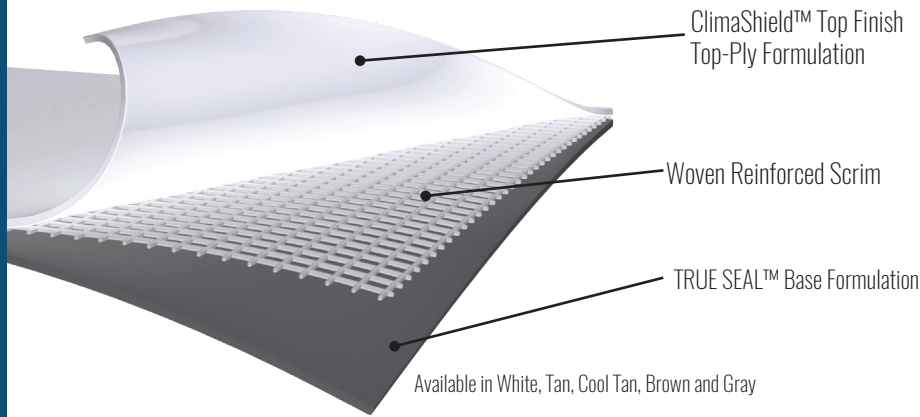




TRUE SEAL™ PVC Roofing Membrane provides the time tested benefit of TRUE SEAL™ PVC Roofing Formulation with the added benefit of ClimaShield top finish. These components provide industry leading toughness with maximum UV, moisture, and chemical resistance. Reinforced with a 9x9 1000-denier woven polyester scrim, TRUE SEAL™ PVC provides superior durability and versatility for various roofing applications and functions. This purpose-built UV and chemical resistant formula, allows for specification of TRUE SEAL™ PVC in harsh environments as compared to the general single-ply market. Contact your sales representative with project specific chemical reagents.

TYPICAL PHYSICAL PROPERTIES*

Property	Test Method	Requirement per ASTM D 4434-12, Type III	50 mil	60 mil	80 mil
Thickness over scrim, in	Optical	.016	.018	.023	.033
Breaking Strength, lbf	D 751, A Grab Method	MD 200 XMD 200	MD 332 XMD 256	MD 371 XMD 308	MD 408 XMD 388
Elongation @ break, %	D 751, A Grab Method	MD 15 ^A XMD 15 ^A	MD 34 XMD 29	MD 34 XMD 29	MD 34 XMD 29
Seam Strength	D 751, A Grab Method	75%	Pass	Pass	Pass

RETENTION OF PROPERTIES AFTER HEAT AGING
D 3045, 176°F for 56 days ± 1 h

Breaking Strength, % of original	D 751, A Grab Method	90%	Pass	Pass	Pass
Elongation, % of original	D 751, A Grab Method	90%	Pass	Pass	Pass
Tearing Strength, lbf	D 751 B-TongueTear Method, 8" x 8"	45	54 68	58 72	62 78
Low temperature bend	D 2136	-40°F	Pass	Pass	Pass

ACCELERATED WEATHERING
Practice G154 5000 hrs

Cracking	7X magnification	None	None	None	None
Crazing	7X magnification	None	None	None	None
Linear dimensional change, %	D 1204, 176°F for 6h	MD ± 0.5 XMD ± 0.5	-0.30 0.02	-0.30 0.02	-0.30 0.02
Change in weight after immersion in water	D 570, 158 ± 2°F for 168 ± 1h	± 3.0	1.1	1.0	0.9
Static puncture resistance	D 5602, 33 lbf @ 73°F ± 2°F	Pass	Pass	Pass	Pass
Dynamic Puncture Resistance	D 5635, 20J @ 73°F ± 2°F	Pass	Pass	Pass	Pass

SOLAR REFLECTANCE / THERMAL EMITTANCE / CALCULATED SRI VALUES

Membrane Color	Solar Reflectance	Thermal Emittance	SRI Value Initial	SRI Value 3-Year Aged	LRV
White	0.870	0.88	110	91	94.3
Tan	0.366	0.87	39	n/a	30.2
Brown	0.079	0.87	2	n/a	7.2
Gray	0.163	0.88	13	n/a	18.1



*This information contains typical physical properties and characteristics based on actual test specimen data. It is intended as a guide for roofing material selection and usage only.

The table presents typical properties of TRUE SEAL™ PVC membranes. Requirements are taken from ASTM D4434-12.

^A For reinforcing fabric only, elongation of PVC material shall be 250% MD and 220% XMD.