

NO CONTENDERS

2-Ply vs PVC



Lets take the gloves off and see how these two contenders stack up!

2-Ply Modified Bitumen

VS

True Seal™ PVC

Inherently 'allergic' to the sun and breaks down under UV exposure. Becomes warped and worn down with age.	Tough ✓	Designed with top tier stabilizers, plasticizers and biocides to be chemical, UV and fire resistant. Reinforced with a woven polyester scrim.
Very few installation options and generally only low slope roofs. From a structural point of view, much heavier than PVC which affects structural design and re-roofing potentials.	Versatile ✓	Fully customizable to any project need with excellent change of plane performance. Available in various colors, thicknesses, and system designs.
System is assembled on the roof with heavy reliance on applicator expertise. Limited "quality control" over outcome. Very few accessory items limiting system installation efficiency and installation quality control.	Dependable ✓	Same trusted formulation since 1978. Easy to install and fabricate with pre-molded accessories that provide consistent material quality. Entire system can be "probed" as a quality check on the installation
Changes in asphalt grades available from manufactures over the years brings into question the long term performance.	Quality ✓	High: Completed membrane and accessories are manufactured under controlled conditions ensuring consistency. Field work is easily visible.
System rises up to 90F/32C above ambient temperature, raising internal temperatures of the building. Some Cool Roofing options are available but may require re-coating and maintenance to achieve long term ratings.	Energy Efficiency ✓	Provides a 'cool roofing' effect reflecting up to 86% of the suns rays, dramatically reducing cooling costs for any building. Meets CRRC ratings "as is"
Medium: Low resistance to thermal shock. Granular imbedding during application creates exposure problems. The long-term performance can be affected by this "formulating" of the system on the roof and the skill of the applicator.	Reliability ✓	High: Factory fabricated sheets and accessories provide consistent material quality. Highly resilient to thermal shock, ponding water, and chemicals.
Self-propagate flame	Fire Resistance ✓	Class A Fire rated Does not self-propagate flame
Disruptive: Labor intensive, slow, heavy, and very disruptive; smelly, dirty, spillage, staining, fire risks	Installation ✓	Non-invasive: Controlled, light weight, no open flames, no caustic asphalt odors.
Generally 5-20yrs. Warranty is voided by ponding water.	Warranty ✓	Generally 15-30yrs. Warranty does not exclude ponding water.
Have to be removed to a landfill site at great cost.	Sustainability ✓	True Seal membranes can be recycled at the end of their long service life.



It's a Knock Out!!

