

Features

- Excellent resistance to chemicals, ozone, oils and moisture
- Superior ultraviolet resistance
- Performs well in extreme temperature variances
- Recognized by the Uniform Building Code-ICBO ES Evaluation Report 5203
- Breaking strength is 264 pounds
- 45 mil sheets have 10 x 10 scrim reinforcement for extra strength
- Comes in 61-inch wide sheets 100 feet long
- Weighs only 32 pounds per square

Conklin's light-colored roofing systems have earned the Environmental Protection Agency's ENERGY STAR® designation for keeping structures cool while doing an outstanding job of protecting against leaks. Conklin is a charter member of the Energy Star Program.



Performance Properties

Property	Results	Test Method
Fire resistance	Class A non-combustible** Class A combustible**	UL-790
Wind uplift resistance	Passes I-90*	Factory Mutual Class 1
Tear strength	Cross direction – 87 lbs. Machine direction – 103 lbs.	ASTM D751 Tongue tear
Elongation	81% (fabric break)	ASTM D412
Ply adhesion	18 lbs. per inch width	ASTM D413
Hydrostatic resistance	383 p.s.i.	ASTM D751
Flexibility	Passes 1/8" at -36°F	ASTM D1737
Ozone resistance	No cracks, 7x	ASTM D1149
Linear dimensional change	1.0%	ASTM D1204
Hardness (Durometer A)	85	ASTM D2240
Puncture resistance	251 lbs.	Method 2031 FTMS 101C
Heat aging and retention	100%	ASTM D573
Accelerated weathering	No deterioration after 3,000 hours No deterioration after 3 million Langleys	ASTM D2565 ASTM E-838
Reflectivity	85%	ASTM E903

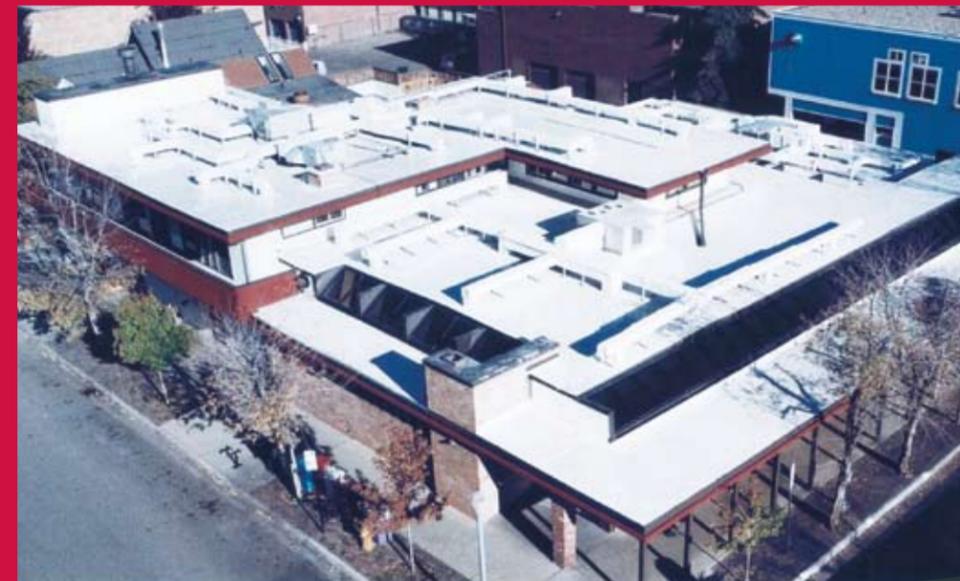
*Consult Factory Mutual directory for specific details.
**Consult Underwriters Laboratories (UL) building directory for specific details.

Highly-reflective surfaces reduce surrounding temperatures and extend the life of the roof by years. Thousands of Conklin roofing customers can attest to lower air-conditioning bills and less wear and tear on their cooling systems.

*You might call this energy efficiency a bonus.
We call it Conklin quality.*

**Conklin Company Inc.
Roofing Systems Division
www.conklin.com**

**Call your Conklin Independent Roofing Contractor
for an estimate or more details:**



**Hy-Crown®
Single-Ply
Systems**

Set the Trend

- Stop leaks
- Long-term protection
- Lower energy costs
- Chemical resistant
- Lighter weight than built-up roofs



The majority of all roof jobs now use single-ply systems instead of built-up roofs. The appeal of single-ply roofing is clear, as these systems are generally more cost-efficient, longer-lasting and lighter than built-up roofs.

(Cover) *Top:* The Hy-Crown roof on the Wells Fargo Building in Aspen, CO, was applied in winter conditions, providing roofing contractors with a longer roofing season and the potential for greater profitability. This roof features a combination of liquid applied coatings, over 1,000 feet of ductwork and 7,600 square feet of durable Hy-Crown single-ply membrane. *Bottom:* Playtex Products Inc. in Dover, DE, is protected by a 178,000 square foot high-performance Hy-Crown roof.

(Left) Hy-Crown was the roofing product of choice for this newly built 118,000 square foot shopping center in Maryland.

(Right) The white roofing on this 90,000 square foot woodworking plant in Ohio is a durable Hy-Crown single-ply membrane.

Does the Color of the Roof Matter?

Dark colored roofs have a higher solar energy absorptive surface and can be 75 to 100 degrees F warmer than ambient air, while white reflective roofs are only 15 to 25 degrees F hotter than ambient air. To quantify this reduction, the effect of reducing air temperatures with a city the size of Los Angeles by as little as six degrees F would reduce smog by about 10 percent. This smog reduction is similar to the reduction that could be obtained by taking three to five million cars from the roads of Los Angeles.



Hy-Crown® is Your Best Choice

Hy-Crown® single-ply system is extra-tough because it is manufactured with Hypalon®, a synthetic rubber made by DuPont. Hypalon is one of the most durable materials in the single-ply roofing market and has a track record of more than 30 years. Many architects, building owners, plant engineers and roofing contractors rely on Hypalon roofing systems, such as Hy-Crown, for reliable, leak-free commercial and industrial applications.

Resists Chemical Attack

Hy-Crown's Hypalon material gives your roof solid, long-term protection from pollutants that can attack the surface of a commercial or industrial roof. Hy-Crown stands up to the following types of abuse:

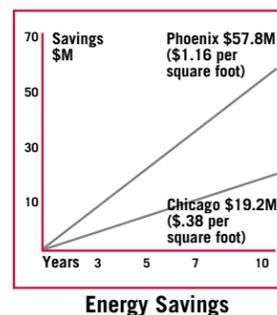
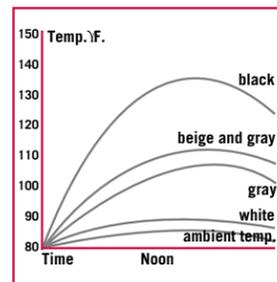
- Vegetable oils (common on restaurant roofs)
- ASTM No. 1 oil (common around refineries)
- Glycols (a byproduct of air conditioners)
- Acid rain

Superior Seam Strength

Seams on a Hy-Crown roof can be heat-welded or solvent-welded. The resulting bond is up to six times stronger than seams of an EPDM roofing system. Your chances of seam failure (and resulting leaks) are greatly reduced with a Hy-Crown application.

Reinforced for Toughness

Hy-Crown consists of a 45 mil Hypalon membrane reinforced with a 10 by 10 polyester scrim fabric embedded in the material. This produces a strong roofing membrane that resists tears and abrasions.



Energy Efficient

You can cut down on your air conditioning costs by installing a white reflective Hy-Crown roof. Tests indicate that the surface temperature of a white roof rose only four degrees during a sunny, 85 degree summer day. The surface temperature of a black roof rose 42 degrees under the same conditions. Over time, this reflectivity can translate into significant energy savings. One study estimated that a 50,000 square foot building in Chicago would save more than \$19,000 in energy costs over 10 years. The same structure in Phoenix would save over \$57,000 in the same time period. A Hy-Crown roof gives you a good return on your investment.

Put Your Roof on a Diet and Lighten the Load

Hy-Crown has the versatility to be mechanically fastened, fully adhered or ballasted. Because it can be mechanically fastened, it does not need heavy ballast that some other single-ply systems require. The thin, yet amazingly durable, membrane reduces a roof's weight to less than one pound per square foot. That is less stress on the overall roof structure.

Fire and Wind Resistant

Hy-Crown meets accepted industry standards for fire resistance and wind uplift. The system has earned several Class A UL-790 fire-resistance ratings for both combustible and non-combustible substrates. Plus, it is listed in the Factory Mutual I-60 and I-90 wind uplift tests.

Optional Training and Warranties

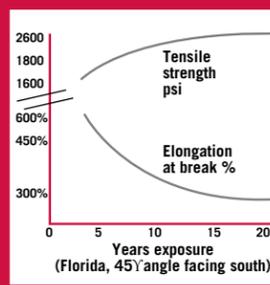
Because proper installation is key to a successful Hy-Crown job, Conklin hosts comprehensive factory training for roofing contractors. Only those factory trained contractors may offer Conklin's Hy-Crown optional limited warranties that are available for up to 20 years. These are not prorated, so the contractor and Conklin provide 100 percent coverage for the entire length of the warranty. Choose Hy-Crown for your next commercial or industrial roofing project. It is one of the wisest long-term investments you can make today.

White roofs not only reduce cooling costs, but decrease the rate of deterioration of roofing materials due to UV degradation and damage caused by large, rapid fluctuation in temperatures commonly found in metropolitan area urban heat islands.



Improves with Age

A Hy-Crown roof actually becomes stronger with age because the installed Hypalon material vulcanizes when exposed to moisture and ultraviolet light. An additional benefit is that Hy-Crown has no plasticizers, so the roof will not shrink or become brittle.



Outdoor Aging