

PRODUCT INFORMATION

DURATEK ROOF COATINGS CAN SAVE YOUR NEXT ROOF



It is a known fact - asphalt based roofing materials degrade over time. The application of an Acrylic based Ceramic Insulating Coating to protect new roof systems and preserve existing membranes has become an important part of the services DURATEK provides to building owners.

Research has shown that some components of asphalt break down or weather with sunlight and oxygen in the air. Like most reactions, the presence of heat greatly increases the rate of breakdown. Along with heat, UV will accelerate the molecular breakdown of asphalt materials resulting in roof deterioration.

Case studies which involve the application of an elastomeric 100 percent acrylic roof coating applied over asphaltic roofing substrates have proven that the coated section of the roof show virtually no change in appearance, while the uncoated section was severely degraded.

Extending Roof Life

The experimental data from the roof exposures of both the asphalt shingle and built up roofs clearly show the life extension properties of the acrylic coating. It was concluded that the acrylic coating increases the longevity by two separate mechanisms. Acrylic polymeric materials are transparent to UV radiation and as such they do not absorb the intense radiation from the sun which is a primary factor for the breakdown of the asphalt materials. Secondly, the acrylic coating provides a water resistant barrier over the asphalt shingle or built up membrane which prevents water contact with the asphalt membrane which is the other primary reason for a breakdown of the asphaltic roofing substrates.

Unprotected dark roofs absorb as much as 85% of the heat energy striking it. Not only does this fact equate to high energy bills, but the heat weakens the other elements of the roof. The DURATEK Acrylic-Ceramic Roof Coating products provides superior air and weather barriers to protect the roof substrate from the sun's radiation and from penetrating waters damage during heavy rains. This combination Acrylic-Ceramic coating has proven to block more radiant heat than any other roof coating, and can be applied to a variety of roof shapes including flat, pitched, modern, domed or geometric. The total weight load incurred by a Duratek Coating equates to a fraction of the alternative roofing methods putting less stress on the building and can eliminate costly weight related tear-offs in re-roofing applications.

All the elements in Duratek Acrylic-Ceramic Roof Coating Products have been selected for quality, performance and proven dependability. Warranties are provided for 5 and 10 year periods. UL certified.