

White Roof Shield

- *Creates a brilliant white roof surface*
- *Reflects more than 80% of the sun's radiation*
- *Lowers roof surface temperatures by as much as 50°F. (28°C)*
- *Reduces cooling loads*
- *Like adding additional summertime insulation*
- *Prolongs the life of asphalt roofs*
- *Eliminates the problems associated with gravel*



SWEPACO White Roof Shield enhances the appearance of any building ... while it insulates and protects the roof.

When industrial and commercial roofs are required to do more than just shed water, SWEPACO White Roof Shield offers today's economy-minded building owners and property managers a number of cost saving benefits.

One economical application of this premium quality white reflective coating makes most commercial and industrial roofs more energy efficient, more durable and more attractive.

Increases Energy Efficiency Of Most Commercial & Industrial Roofs

White Roof Shield forms a brilliant white surface that reflects more than 80% of the sun's radiation. That's eight times more reflective than typical gravel roof surfaces and 15 to 75% more reflective than aluminized finishes. This increased reflectivity means a significantly greater portion of the sun's radiation is prevented from penetrating the roof.

Because of their low reflective values, black roof surfaces can reach temperatures in excess of 190°F. (88°C) in hot summer months. Even in insulated roofs, a portion of this heat is transmitted through the roof into the building to cause additional cooling loads. White Roof Shield helps stop this heat at the roof surface, reducing surface temperatures by as much as 50 F. (28°C). This can significantly lower inside ceiling temperatures of buildings that are not air-conditioned and decrease the cooling loads and costs of buildings that are air-conditioned.

One simple application of White Roof Shield is like adding additional insulation to an industrial roof. For example, applied over a typical industrial roof consisting of a four-inch (10 cm) precast concrete deck, one inch (2.5 cm) of fiberboard insulation and a three-ply built-up roof with a smooth black surface, White Roof Shield would reduce summertime solar heat gain by 40%.

Prolongs The Life Of Asphalt Roofs

White Roof Shield also reflects the sun's ultra-violet radiation. This is the most harmful form of the sun's radiation, a primary cause of aging in asphalt roofs. By reflecting significant amounts of this type of radiation and by keeping roof surfaces cooler, White Roof Shield helps retard oxidation of the asphalt. The reflective shield provided by White Roof Shield actually slows the natural aging process of asphalt roofs. Resistance to cracking, splitting, blistering, age hardening and embrittlement is increased. The roof stays cooler, more pliable and waterproof longer. The net result is a significant savings of roof maintenance dollars.

Quick And Easy To Apply

White Roof Shield is applied straight from the container with paintbrushes, rollers or airless spray equipment. It goes on smoothly and quickly. No heating or thinning of the product is required, only thorough stirring prior to application.

Eliminates The Problems Associated With Gravel; Cuts Maintenance Costs

When combined with the use of other SWEPCO "cold process" waterproofing products, White Roof Shield eliminates the problems associated with gravel and much of the cost associated with roof maintenance.

Besides adding weight and expense to the roof, gravel often creates drainage problems and invariably makes inspection and maintenance more difficult and more costly. Gravel tends to hide minor problems until they become bigger, costlier problems. And it inflates general maintenance because it must be removed before maintenance can be performed.

In contrast to typical gravelled roof surfaces, the modern, smooth surface provided by White Roof Shield is easier and less costly to inspect and maintain.

Periodic inspection becomes a task measured in minutes instead of hours. And, when maintenance does finally become necessary, it costs less because it takes less time.

Provides An Attractive, Lasting Reflective Surface

White Roof Shield is as beautiful as it is functional. The brilliant white surface enhances the appearance and value of industrial or commercial buildings. And it stays white and beautiful longer because the titanium dioxide whitening pigments used in White Roof Shield are the brightest and most durable pigments available. They help create a surface that provides long lasting resistance to weathering, mildew, chipping and peeling.

White Roof Shield can be tinted at the jobsite with any standard latex (water-base) pigment dispersed in a liquid vehicle. This provides an unlimited selection of colors as near as the local paint supplier.

Designed To Protect The Most Common Types Of Industrial & Commercial Roofs

White Roof Shield is designed for use on a wide range of both old and new conventional, industrial and commercial roofs, including swept gravel roofs, smooth asphalt roofs, mineral or granule surfaced roofing, composition shingles, sound corrugated asbestos cement, metal and most varieties of porous, "non-glazed" roof tiles which are not exposed to traffic. It is compatible with both emulsion and solvent base asphalts. It, however, is not recommended for use over coal tar base roofing materials or glazed roofing tiles. Application is quick, easy, and requires no disruption of work routines inside the building.

(White Roof Shield is not a waterproofing product. All necessary repairs should be completed before application of White Roof Shield.)

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