

# ALUMINUM

Premium Quality Roofing  
& Building Maintenance Products



## Roof Shield

*Economically prolongs roof life and reduces maintenance costs.*

*Helps reduce cooling and heating costs.*

*Helps protect against thermal shock.*

*Designed for the most common roof types.*

# ALUMINUM

## Forms a highly reflective continuous shield of aluminum.

SWEPCO Aluminum Roof Shield is a premium quality protective coating for roofs. When applied, millions of tiny aluminum flakes "leaf" to the surface and form a tough shield of continuous aluminum. Properly maintained, this extra layer of protection can pay for itself over and over again in prolonged roof life, reduced roof maintenance costs and reduced cooling and heating costs.



## Economically prolongs roof life; reduces maintenance needs.

The highly reflective shield provided by SWEPCO Aluminum Roof Shield reflects as much as 55% of the sun's radiation . . . that's up to five times as reflective as typical gravel covered roofs and ten times more reflective than typical black roofs.

While SWEPCO Aluminum Roof Shield is not a waterproofer, it keeps roofs waterproof longer by reflecting a major portion of the ultra-violet radiation which causes oxidation, rapid aging and deterioration of asphalt.

## Helps protect roofs from thermal shock.

SWEPCO Aluminum Roof Shield also reflects a significant portion of the sun's infra-red heat-producing radiation. So it

keeps roof surfaces cooler and narrows the differential between daytime high temperatures and nighttime low temperatures. And that means less expansion and contraction of the roof membrane, less stress, less thermal shock, less likelihood of splitting and cracking and longer roof life.

## Reduces cooling and heating costs.

By reflecting the sun's heat producing infra-red radiation and lowering roof surface temperatures, SWEPCO Aluminum Roof Shield significantly reduces summertime cooling loads in air conditioned buildings. And structures which are not air conditioned benefit from cooler interior temperatures.

SWEPCO Aluminum Roof Shield is beneficial in winter, too. One natural characteristic of aluminum is that it dissipates heat from within the building more slowly than many other types of surfaces. In cold weather, this means Aluminum Roof Shield helps minimize heat loss due to radiation from the roof.

SWEPCO Aluminum Roof Shield is beneficial in winter, too. One natural characteristic of aluminum is that it dissipates heat from within the building more slowly than many other types of surfaces. In cold weather, this means Aluminum Roof Shield helps minimize heat loss due to radiation from the roof.

## Economical.

With SWEPCO Aluminum Roof Shield a little goes a long way. The lowest coverage rate in the industry means you get more protection per gallon or liter.

***. . . a highly reflective shield of aluminum metallic flakes.***



# ROOF SHIELD

## Cuts roof maintenance costs.

The modern, smooth surface provided by SWEPCO Aluminum Roof Shield is easier and less costly to inspect and maintain. Periodic inspection takes minutes instead of hours. And, when maintenance does finally become necessary, it costs less because it takes less time.



new and old asphalt roofs, modified bitumen roofs and bare metal. It's available in both silver and metallic green.

## Finest raw materials insure a durable surface.

Specially selected petroleum stocks are carefully refined to produce "Heart of Texas" Asphalt, a superior roofing asphalt with the optimum degree of softness. Then the finest pure aluminum pigments are added in substantially higher quantity than typical reflective paints. These pigments are first polished, then coated with a special agent and aged during manufacturing to assure superior "leafing" action. The result is a continuous shield of aluminum that provides excellent resistance to solar radiation, salt water, moisture, rust and a wide variety of common industrial pollutants.



## Effective in a wide variety of industrial & commercial applications.

Its exceptional versatility makes it a natural choice for the protection of many types of buildings. Its effects on energy consumption makes it a natural for surfacing conventional asphalt roofs over high occupancy buildings, such as retail stores, hospitals, schools, municipal buildings and sports facilities, hotels and motels, restaurants, clubs and other high traffic businesses and institutions. Its resistance to

corrosion and many industrial pollutants makes it especially effective for use on structures in industrial areas, such as manufacturing plants, warehouses, shipping terminals and other similar facilities. Its ability to reduce interior temperature of buildings which are not air conditioned can be very beneficial in agricultural use. Cooler temperatures in stock shelters, hen houses, barns and other storage facilities can mean healthier stock and increased productivity.

## Designed to protect the most common roof types.

SWEPCO Aluminum Roof Shield is compatible with a wide variety of industrial and commercial roofing materials. It's recommended for both

## Easy to apply.

SWEPCO Aluminum Roof Shield is applied straight from the container with brush, roller, squeegee or airless spray equipment. It requires no heating or thinning, just thorough mixing.



ISO 9001

# SWEPCO ALUMINUM ROOF SHIELD

## Description & Purpose

SWEPCO Aluminum Roof Shield is a premium quality reflective surfacing manufactured from "Heart of Texas" Asphalt and high quality aluminum metallic pigments. Applied to asphalt, modified bitumen and metal roofs which are **already waterproof**, it provides an energy efficient reflective coating that protects, beautifies and preserves. It is recommended for protection of both old and new roofs, as well as many other surfaces that require protection.

## Outstanding Benefits

- Reflects as much as 55% of the sun's radiation.
- Made with the finest pure metallic aluminum pigments.
- Prolongs roof life; preserves roof value.
- Lowers roof temperatures.
- Reduces temperature related stresses and thermal shock.
- Reduces cooling & heating costs.
- Reduces roof maintenance costs.
- Economical coverage rate.

## Meets or Surpasses

ASTM D-2824, Type I (Silver Only); ASTM D-962, Type II, Class C (Pigment & US Federal Specification TT-P-320C, Type II, Class C (Pigment)).

## Application Information

Apply straight from the container with standard paint brushes, soft bristled roofing brushes, paint rollers or airless spray equipment. Requires no heating or thinning. Stir thoroughly prior to application and periodically during prolonged applications. The surface must sound, clean and dry. Metal surfaces should be wire brushed to remove rust and corrosion. Application in rainy, foggy, damp or heavily overcast weather with relative humidities of 80% or higher should be avoided.

## Coverage Rates

- Smooth Surface Asphalt . . . 0.33 gal. per 100 sq. ft. (0.13 liter/m<sup>2</sup>)
- Gravel, Granule or Other Aggregate Covered Asphalt . . . 0.67 gal. per 100 sq. ft. (0.27 liter/m<sup>2</sup>)
- Exposed Metal . . . 0.30 gal. per 100 sq. ft. (0.12 liter/m<sup>2</sup>)

## Curing

SWEPCO Aluminum Roof Shield cures in 12 to 24 hours, depending on temperature and humidity. It reaches optimum brilliance after a few days of sunshine and warm weather.

**Note: See Product Container Labels, Product Data Bulletins and applicable System Installation Instructions for complete information.**



Southwestern Petroleum Corporation