



# ALUMINUM KILN SEAL

- **CONTROLS HEAT & MOISTURE**
- **PROTECTS DRY KILNS**
- **REDUCES FUEL COSTS**
- **REDUCES WOOD CURING TIME**
- **EASY TO APPLY**

ALUMINUM KILN SEAL is an asphalt based material which provides a tough, heat-holding film over masonry, metal or wood dry kilns, preventing the deterioration of these surfaces. ALUMINUM KILN SEAL contains a superior grade of specially processed asphalt and high grade aluminum flakes that provide extra long service life.

## **ALUMINUM KILN SEAL Controls Heat & Moisture**

Lumber is processed in dry kilns to remove excess moisture. High heat is used for this process. Temperatures in the dry kiln average 176° - 185° Fahrenheit. The vapor pressure of water at this temperature is 7.5 lbs./inch<sup>2</sup>. The difference in pressure between the inside and outside of the dry kiln causes heat and moisture to squeeze through the walls, doors, etc. ALUMINUM KILN SEAL provides a rugged barrier helping to control heat and moisture loss within the dry kiln.

## **ALUMINUM KILN SEAL Protects Dry Kilns**

Heated air laden with moisture rises to the ceilings in dry kilns. ALUMINUM KILN SEAL retards this moisture from attacking ceiling, walls, and decking of dry kilns. This substantially reduces expensive structural repairs or replacements. Proper application of ALUMINUM KILN SEAL is beneficial in helping the dry kiln operate efficiently for extended periods.



## **ALUMINUM KILN SEAL Reduces Fuel Costs**

ALUMINUM KILN SEAL forms an air-resistant, moisture and waterproof barrier. ALUMINUM KILN SEAL controls air seeping into the dry kiln while retarding moisture and heat from escaping. Steady heat is maintained, reducing fuel costs, making the operation more efficient.

## **ALUMINUM KILN SEAL Reduces Wood Curing Time**

Heat and moisture ratios within the dry kilns are more easily and effectively controlled with ALUMINUM KILN SEAL. With a steady temperature maintained, lumber is cured more rapidly, steadily and efficiently.

## **ALUMINUM KILN SEAL Easy To Apply**

ALUMINUM KILN SEAL is ready to apply as it comes from the pail. No thinning required. The high content of the pure aluminum pigment will settle during shipment but is easily stirred back into suspension before application with brush, roller or spray. Apply only to interior walls, decking and ceiling surfaces. ALUMINUM KILN SEAL should **not** be applied to fans, fan blades, thermostats or other mechanical operating parts. It is **not** recommended for use in brick or tile processing kilns.

**APPLICATION GUIDELINES:** ALUMINUM KILN SEAL has penetrating properties that aid in creating an effective vapor barrier. For that reason, coverage rates vary depending on the porosity of the surface KILN SEAL is applied to. The following rates are guidelines only.

**NON-POROUS SURFACES (Aluminum or Other Metal):** 1 gallon per 300-350 square feet.

**MODERATELY POROUS SURFACES (Concrete Block or Brick):** 1 gallon per 200-250 square feet.

**VERY POROUS SURFACES (Haydite or Cinder Block):** 1 gallon per 100-150 square feet.

If possible, leave kiln open and inoperative for 48 hours to allow product to fully cure. If kiln must be used sooner, small superficial blemishes may develop on the sealed surface and dripping may occur.

## SPECIFICATIONS

### ALUMINUM KILN SEAL

Product Code: #3190

ALUMINUM KILN-SEAL conforms to the following characteristics:

COLOR:	Soft Silver
DRY FILM THICKNESS:	3 mils @ recommended rates
WEATHERABILITY:	Good in Arid, Tropical and Cold Climates
APPLICATION:	Brush, Squeegee, Roller or Spray
RESISTANT TO:	Rust, Corrosion, Water and Water Vapor, Saturated Solutions of Various Salts, and Sunlight

#### PHYSICAL REQUIREMENTS:

#### TYPICAL

Specific Gravity @ 16°C (60°F)	0.971
Non-Volatiles, % by Wt.	46.00
Flash Point, PMCC, Minimum (ASTM D-93)	40°C (105°F)
Consistency	Brush, Squeegee, Roller, or Spray
Asphalt Content, % by Wt.	24.5
Solvent Content, % by Wt., Maximum	57.2
Aluminum Pigment, percent	18.3
Viscosity @ 77°F, cps	40 - 70
Leafing, Percent Minimum	70

Handling Information: For safe handling of the product, read the Safety Data Sheet (SDS).

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