

UNICHEM ALUM COAT

METALLIC INDUSTRIAL MAINTENANCE COATING

UCA/WP/AC-001

DESCRIPTION

UNICHEM ALUMCOAT is a premium quality metallic pigmented, industrial maintenance coating formulated from specially processed asphaltic liquids, non-drying oils, a proprietary blend of natural and synthetic fibers, and aluminum pigment. It is formulated to meet the requirements for Aluminum-Pigmented, fibered Asphalt Roof Coatings without Asbestos.

CHARACTERISTICS & ADVANTAGES

- Protects metal structures from rust and corrosion
- Outstanding ability to adhere to wet and unprimed surfaces.
- Weatherproofing material, Aluminum pigment in UNICHEM ALUMCOAT acts as a heat reflector & insulator. And its solar re-radiation property reduces heat in hot climate.
- The interior temperature in metal clad buildings reduces dramatically in hot sunny climates
- Applied coating remains in good condition, even years after it has been applied. The coating stays continuous and homogeneous with no cracking even in climates where the daily and annual variation in ambient temperature is very large.
- Only one layer of the coating provides waterproofing, anticorrosion and encapsulation performance.
- It is used for rust proofing and waterproofing metal roofs and modified bitumen roof systems.

TYPICAL PROPERTIES

Property	Values	Test Standard
Low Temperature Flexibility	Passes ¼" mandrel @ 0°C.	ASTM D522
Metallic Content, %	15 Min.	ASTM D6511
Solid Content by Volume, %	47 Min.	ASTM D6511
Density @25°C, g/ml	1.01 ± 0.02	ASTM D1475
Salt Spray test 100 Hrs.	No Corrosion	ASTM B117
Drying Time	2 hours	-
VOC, g/L	465.0	USEPA 24

AREA OF APPLICATION

ALUMCOAT can be applied by brush or roller and Spray on concrete and steel roofing and walls. All application surfaces should be free from dust, dirt, loose coatings, oils or grease. The application surface should be dry and concrete should be fully cured.

METHOD OF APPLICATION

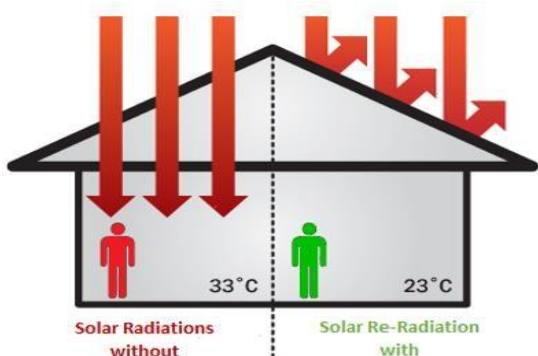
The application surface is prepared by high pressure power wash or power brushing. No sandblasting is required.

PRODUCTS IN ALUMCOAT

SYSTEM PRIMER:

For metal structures in extreme rusty conditions a primer is needed to ensure that all surfaces are coated.

The low viscosity Metal primer would be an excellent option, which penetrates easily into all nooks and corners.



**SELF ADHESIVE TAPE/80 GSM
GEOTEXTILE:**

Preferably highly elastic self-adhesive and waterproofing butyl tapes can be used with **ALUMCOAT** to repair waterproof overlaps, joints, rust holes, gutters, connections, etc...

METHOD:

Stir the coating well before use. For best results, all brush strokes should be in one direction. Apply one or two coats, Additional surface area must be accounted for on applications over corrugated or standing seam metal substrates. Coverage may require an additional 15-25% depending on profile. Allow previous coat to dry before applying second coat.

Minimum temperatures must be rising following application, do not apply when dew point is within 5°F (2.77°C) of ambient temperatures, and do not apply when precipitation, fog or dew is imminent prior to cure of the product.



PO Box 80071, Kingdom of Bahrain, Tel : +97317830830
FAX :97317831112, www.unichembahrain.com
Rev001 Released on 10-07-23

COVERAGE :

The coverage of **ALUMCOAT** is 2-2.5 m²/Liter with 200 microns thickness and it depends on the porosity of the surface of the material.

CLEANING:

Clean all equipment with kerosene or white spirit after use. Wear personal protective equipment like goggles, gloves and protective clothing during application

STORAGE & SHELF LIFE :

ALUMCOAT is available in 15/18 Kg metal & plastic pails. Pails should always be stored in dry and shaded areas. The product should not be kept near to any source of heat. It should not be exposed to overheating.

Recommended storage temperature: 15°C to 25°C (60- 77°F) The product shelf life is up-to 12 months when stored as per recommendation. Failure to comply with the recommended storage conditions may result in premature deterioration of the product.

HEALTH & SAFETY

ALUMCOAT is not classified for acute toxicity and it is non-hazardous to health and environment. However, when it comes in contact with skin, eye, or if it is inhaled in high concentration, it causes irritation. So, as a precautionary measure, wear personal protective equipment during the application. In case of stain on skin or splashes to eyes, wash the affected area with plenty of fresh water immediately. Primary routes of Exposure: Eyes, Skin & inhalation. It should be stored in its original container in a well-ventilated and shaded area, away from direct sunlight. It contains petroleum distillates, keep away from open fire and sparks. Storage temperature should range from 60- 77°F (15 – 25°C).

NOTE:

The product UNICHEM ALUMCOAT in the pail has a tendency to sediment when stored for long durations. Therefore, it is recommended to stir the pail with a mixing paddle for few minutes to remove all sediments

PO Box 80071, Kingdom of Bahrain, Tel : +97317830830
FAX :97317831112, www.unichembahrain.com
Rev001 Released on 10-07-23