

ANTI-BACTERIAL

BLAZE BAR MATT EMULSION

Technical Data Sheet

Product code: PW3304-AB

Composition and Application Field

Anti-Bacterial Blazebar Matt Emulsion is a water based emulsion paint formulated with advanced raw materials that provide a non-flaming paint surface when exposed to extreme heat. Unlike ordinary acrylic based systems, this product does not aid in the propagation of fire by extinguishing itself when exposed to flame. It is an effective fire retardant wall paint. It is also formulated to provide an antiseptic, bactericidal surface finish. The material incorporates nano silver which is proven to effectively kill almost all disease causing microorganisms, even MRSA. It provides a permanent sterile surface as long as the paint surface is intact. The product can be used as a primer when diluted to penetrate the substrate, and then as a luxury matt finish topcoat in interior and exterior applications particularly recommended for use in Healthcare facilities such as hospitals, clinics and other medical facilities, food processing plants, restaurants or any other internal facilities requiring a bactericidal surface.

Substrates: Concrete, Metal, Wood

Area of Use: Exterior & Interior

Specification

Finish	: Matt and Satin
Colour	: White and Pastels
Specific gravity	: 1.44 ± 0.05
Mixed Solids (% by vol.)	: $34 \pm 2\%$
Diluent	: Water
Spread Rate	: 8.5 sq.m./liter
Recommended DFT	: 40 microns/coat
Drying Time, 30° C @ 50%RH	
Touch Dry	: 1 hour
Dry to Recoat	: 2 hours
Hard Dry	: 6 hours

Surface Preparation

Concrete

Always ensure that the surface to be painted must be free of dirt oil and grease. New concrete should be cured for at least 28 days before application. Old painted surfaces should be removed of old paints and primed with **Blazebar Matt Emulsion**. Ensure that all old paints are removed.

Metal

Bare metal should be cleaned according to SSPC SP2 (Handtool Cleaning) or SSPC SP3 (Power Tool Cleaning) and primed with a suitable primer. Ensure primer is fully cured before application of **Blazebar Matt Emulsion**.

Wood

If applying over coated wood, ensure that the coating is compatible with **Blazebar Matt Emulsion**.

NOTE: For any Flame Retardant system to be successful, it is imperative that all previous coatings are stable and firmly adhering to the substrate.

Application Method

The recommended method of application is by Airless Spray or HVLP sprayer. Roller and Brush can also be used in small areas.

Application: Mix the product properly before application. Thin down with 30% water and apply as the primer. Apply to a total dry film thickness of 80microns.

Airless Spray

Depending on the area to be covered, select the most suitable fan type, normally 4 to 8 inches and a nozzle orifice of 0.021 to 0.027 of an inch. Do not apply more than 100 microns wet at a time or the product will sag and crack. Wait until the first coat is dried before commencing with the next coat. Build the dry film thickness to 80 microns minimum by applying multiple coats.

Roller/Brush

Apply the product using a fine haired paint roller or brush, the one usually used for Emulsion Paints. Apply multiple coats to build the recommended DFT.

Paint System

EVI BLAZE BAR MATT EMULSION

-All Weather Primer	1 coat 30 micron
-Primer Stucco Putty	2 Coats 100 micron
-EVI Blazebar Matt Emulsion	2 coats 40 micron

Storage and Shelf Life

Under dry and cool condition, storage stability can be sound up to 18 months in original sealed containers.

Handling

Disposal: As per the guidance and legislations of the local Authority e.g., by controlled landfill. In case of doubt, consult local authority. Do not empty into drains, sewers or other water courses.

Safety Precaution

Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use a barrier cream. Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapour or spray. MSDS is available on request for the safe handling of this product.

First Aid

Eyes: In the event of accidental splashes, flush eyes with warm water immediately and obtain medical advice.

Skin: Wash skin thoroughly with soap and water or approved industrial cleaner. Do not use solvent or thinners.

Inhalation: Move to fresh air, loosen collar and keep patient rested.

Ingestion: In case of accidental ingestion, Do not induce vomiting. Obtain immediate medical attention.