

# ACRYLIC 2K CLEAR GLOSSY ANTI-BACTERIAL

Product code: PS3871AB

## Composition and Application Field

**EVI Acrylic 2K Clear Glossy Anti-Bacterial** is a good quality Acrylic polyol High Build based top-finish and forms a two component product with a suitable curing agent. The product is based on a good endowed with very good opacity, hardness and yellowing resistance. Specially formulated to provide an antiseptic and bactericidal surface finishes. The material incorporates nano-silver which is proven to effectively kill almost all diseases causing microorganisms, even It provides a permanent sterile surface as long as the paint surface is intact. It is 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.

## Use

**Substrates:** Concrete, steel, GRP, other metals, Textile systems and wood coatings

**Area of Use:** Exterior finishes for cars/refinishing and touch up jobs.

## Specification

|                             |  |
|-----------------------------|--|
| <b>Finish</b>               | : Glossy and Smooth<br>(some cases as desired)                   |
| <b>Colour</b>               | : Clear or colored   |
| <b>Specific gravity</b>     | : 0.94 ± 0.02  |
| <b>Solids (% by volume)</b> | : 48 ± 1   |
| <b>Catalyst</b>             | : 9:1 (Component A : Component B,<br>vol / vol)                  |
| <b>Pot life (at 30°C)</b>   | : Minimum 4 hours after mixing                                   |
| <b>Diluent</b>              | : EVI PU Thinner   |
| <b>Film characteristics</b> | : Gloss, hardness, non-yellowing<br>properties are satisfactory. |
| <b>Flash point</b>          | : <21°C  |

## Spread Rate:

While the spread rate is directly dependant on the surface profile and also the type of undulations it has, as a thumb rule EVI Acrylic 2K Clear Glossy would cover 12 – 14 sq. meters per lit.

|                            |  |
|----------------------------|--|
| <b>Drying Time (30° C)</b> | * Dust Free: 15 min  |
|                            | * Touch Dry <60 min  |
|                            | * Hard Dry > 24 Hours.   |
|                            | * Packing >12 Hours  |
| <b>Recommended DFT</b>     | : 1 mist coat followed by a good full coat<br>App 30 - 40 mic. |

## Surface Preparation

A good surface preparation and following the method statement / recommended system procedure of EVI is an ideal recommendation for the application of **EVI Acrylic 2K Clear Glossy Anti-Bacterial**.

Exclusions for successful application include perpetually wet surfaces and also large cavities on wood, metal and concrete surfaces.

## For Metals:

Achieve a good and clean surface by removing all contaminants by cleaning & drying. A rust free surface should be achieved by good sweep blast or a wire brush. In case of automobile substrates where a high degree of surface is to be maintained the use of **EVI Degreasing Solvent** is recommended. The proceed with the recommended system.

## For wood:

Substrates that are generally used are clear wood natural, veneered or lightly stained. It is advised to use **EVI Acrylic 2K Primer** after sanding with sanding paper about 120-150 type. Fill all the grains with a good liberal coat. Be sure that no sanding residues (or other) are present on substrate before applying the topcoat finish. Proceed with **EVI Acrylic 2K Clear Glossy Anti-Bacterial** after this to the desired coverage required.

## For Plaster, Masonry & Concrete:

Achieve a good and clean surface by removing all contaminants by cleaning & drying. A laitance free surface should be achieved by good sweep blast or a wire brush.

## Application Method

**Spray gun:** for spray application we suggest a normal spray gun with 1.8 mm nozzle at 3-4 atm/bar of pressure. It can be used even airless or air-mix spray guns.

**Curtain Coater:** the most important thing is to keep controlled the starting viscosity, adding PU thinner to compensate the evaporation of solvents.

**Subsequent treatments:** After drying this product does not need any subsequent treatments.

Adequate ventilation is an ideal situation as it helps in drying and the good application itself. Avoid high humid conditions i.e., >95% when condensation is likely to interfere and also when the surface temperature is at least 3°C above dew point.

One can add 20 - 30% of EVI PU Thinner for ease of application. In hot condition please take advice from EVI technical services department for the correct thinner combination.

**Caution:** Over diluting would result in sag and run downs.

## Technical Paint System

|  |               |
|--|---------------|
| EVI ACRYLIC 2K CLEAR GLOSSY ANTI-BACTERIAL         |               |
| -EVI Epoxy Primer Clear                            | 1 coat        |
| -EVI Epoxy Putty                                   | 2 coats       |
| <b>-EVI Acrylic 2K Clear Glossy Anti-Bacterial</b> | <b>1 coat</b> |

\*Recommended system to be applied as per surface preparation, or as per EVI technical advice.

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## 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.

Flash Point: Contains organic solvents and is app 21°C.

Caution: **It is strongly advised not to keep open half used drums as it forms a skin on the top layer**

## 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:** Remove to fresh air, loosen collar and keep patient rested.

**Ingestion:** In case of accidental ingestion DO NOT INDUCE VOMITING. Obtain immediate medical attention.

## NOTE

This product can be used even as non-yellowing fixative on lacquer manufactured, treated with ageing products; be sure of the compatibility with the products used in the varnishing cycle.