# S. V COATINGS PVT LTD

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ISO 9001:2008

Reg. No.: RQ91/5547

Technical Data Sheet

**POLYVAR-e COAT**

POLYVAR-e-COAT A high performance, signal pack, PUD/Acrylic Based aqueous paint, Self-Cleaning coating has been formulated using Nano technology in order to give an extremely smooth and dirt resisting finish. Suitable for application to exterior and interior application.

POLYVAR-e-COAT works on combined action of sunlight and water as well as photocatalitic and superhydrophilic properties of nano material used. Adsorbed organic material such as oil will be decomposed by photocatalytic property of coating. Whereas organic contaminates and dust will be washed off by rain water because of superhydrophilic property of the coating.

It is not reasonable to assume that superhudrophilic and self-cleaning surface will never turn dirty. It has to be noted that self-cleaning process are dependent on the illumination condition amount of rain fall and accumulation rate of soilage etc. Nevertheless self-cleaning POLYVAR-e-COAT will retard the rate of contamination this will save time and money.


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with special nano pigment with Photo-catalytic property.

1) Colour : White/ Light Grey/ Off-white/ Pink

2) Solid Content : 40+/- 5 %

3) Flash Paint : No flash paint

4) Type of VOC : NMP/ less then 1%

5) Coverage : 80 Sqft/ltr for signal coat

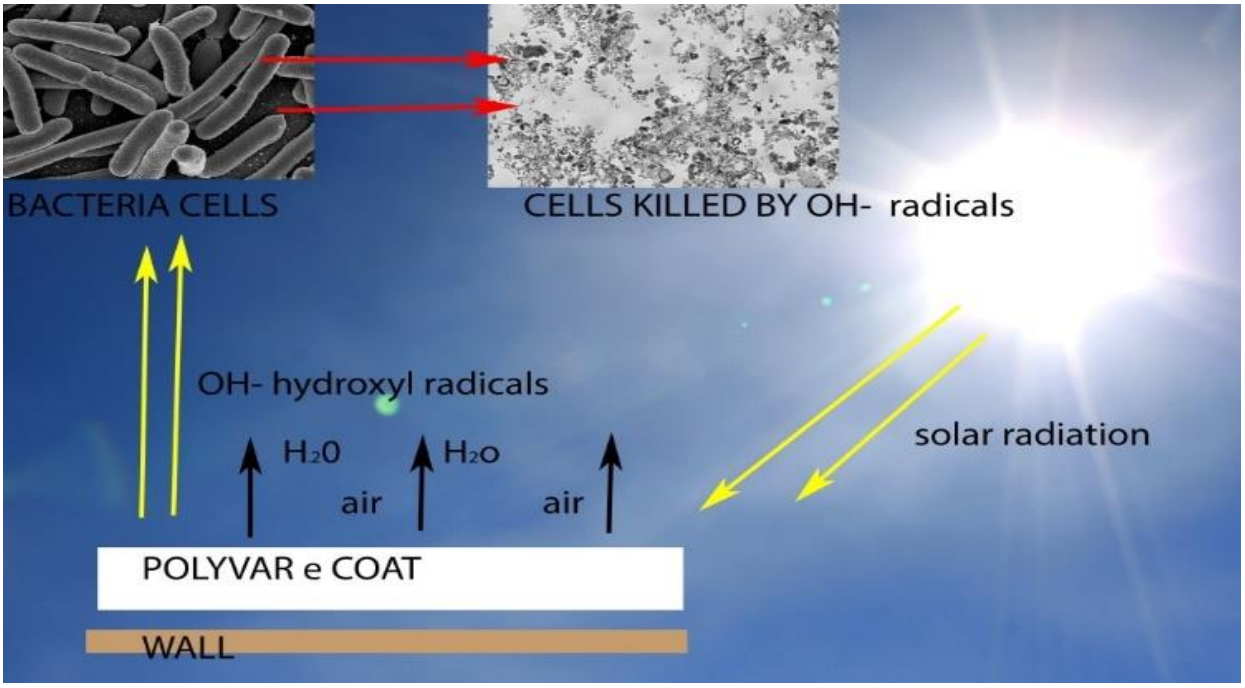
6) Thickness : 100 Microns for Two Coat

7) Dilution With Water : 15-20% Water

## 8) Film Properties

a) Touch Dry : 35 mins
b) Through dry : 1hr. 2 Hr
c) Pencil hardness test ; 2H

APPLIVATION: Operation Theatres, corridors, ICU, Formulation Room, Granulation Room, Diagnostic Labs, Medical Equipment's(PUD Based for metal application ), Pharmaceutical production and packing area, Quality control Laboratories, etc.




Nano materials exhibit strong inhibiting effects towards a broadened spectrum of bacterial strains. According to several studies, it's believed that the metal oxides carry the positive charge while the microorganism carry negative charge, this causes electromagnetic attraction between microorganism and the strong oxiding property of nano material used decompose bacteria and viruses. If the walls ceiling and floor are coated with polyvar e coat, bacteria floating in the air will be killed as they come in contact with the surface.

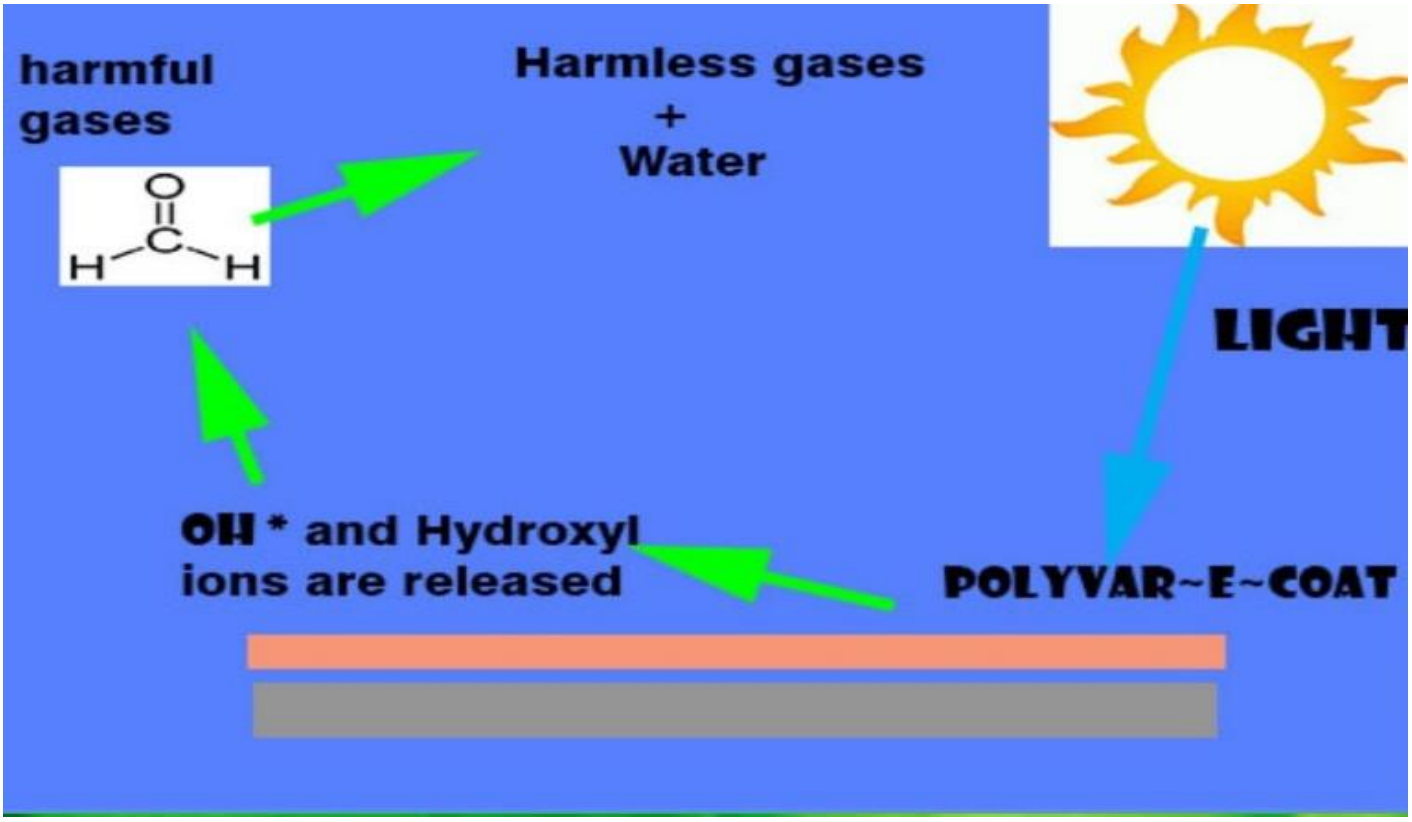


Photo catalysis is widely used in a variety of applications and products in the environmental and energy fields, including self-cleaning surfaces, air and water purification systems, sterilization, hydrogen evolution, and photo- electrochemical conversion, Photo catalysis is widely used in a variety of applications and products in the environmental and energy fields, including self-cleaning surfaces, air and water purification systems, sterilization.