



ARCOY INDUSTRIES (INDIA) PVT. LTD.

Your partners in corrosion prevention

ARCOSET PU 9K

ALIPHATIC POLYURETHANE COATING FOR FLOORS, STRUCTURES AND CHEMICAL RESISTANCE



INTRODUCTION

ARCOSET PU 9K is a chemical resistant coating based on polyurethanes, which play a very important role to fight against corrosion and erosion. Never before have so much thought, R & D works, gone in curbing corrosion with a film that has just a few microns thickness.

ARCOSET PU 9K is a high strength, high build PU coating, which is the result of the specific research and development towards this direction. With this, we are now able to supply high quality anti-corrosion coatings, which guarantee the value of steel structures for many years.

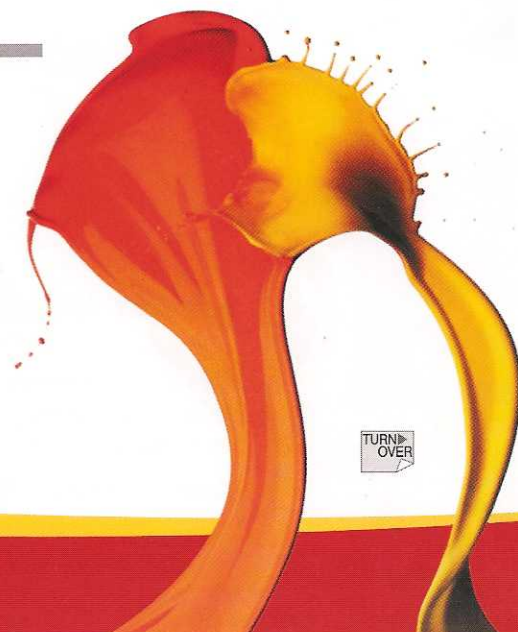
ARCOSET PU 9K is a specially formulated PU system to impart highly cross linked films, whereas the conventional urethanes give a linear, non-resistant film. The formulation is stoichiometrically adjusted to give optimum combination of toughness & flexibility. The film is quite tough yet sufficiently resilient to withstand normal expansion and contraction of the substrate without cracking up. The film bonds firmly to a variety of substrates such as metal, wood, concrete etc. and this quality together with resilience makes **ARCOSET PU 9K** more suitable for protective uses than the conventional systems. They are safe bet for corrosive environments where the epoxy coatings would not stand up because of certain acids presence and where a polyester would fail due to extreme alkalinity.

**CORROSION
NO ENTRY**

PROPERTIES

ARCOSET PU 9K has the following general properties:

- Excellent UV resistance
- Excellent adhesion and durability
- High abrasion resistance
- Excellent chemical & water resistance
- Excellent weather resistance
- Heat resistance up to 150^oC
- Acid & Alkali resistance
- High fungi and mildew resistance
- Anti-fungal properties



INDUSTRIAL & MARINE COATINGS

A name in the making of Colours & Coatings

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TECHNICAL DATA

Volume Solids :	60 - 65%
Density at 25 ⁰ C :	1.10 - 1.25 gm / cm ³
Mixing Ratio (Base to Hardener) :	4 : 1 (By Volume)
Pot Life at 25 ⁰ C :	60 - 75 minutes
Tack free at 25 ⁰ C :	1 - 2 hrs.
Further workability at 25 ⁰ C :	After tack free
Dry Film Thickness (DFT) :	50 - 60 microns / coat
Coverage :	8 - 9 sq. mtr. / ltr. / coat
Shelf life :	12 months

APPLICATION DETAILS

Surface Preparation :

Prepare the surface upto Sa 2½ specification so as to attain a surface free of oil, dust, rust and previous coats. To attain such a surface, rust & previous coats are to be removed by manual methods like scrapping, chipping, hard wire brushing, emery papering etc. Sand blasting may be adopted wherever necessary so as to attain a surface up to the minimum standard of 2nd quality of BS : 4232 - 1967. Oil and grease are removed by solvents. Chemical treatments may also be adopted so as to remove traces of rust by using phosphating chemicals, rust converters etc.

Environmental Conditions : Relative humidity <85% • Atmospheric temp. >15⁰C

Cleaning Solvent : APUC - 1

Thinner : PUT - 1



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For any further information, please contact our technical cell at the below mentioned address:

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