



ARCOY INDUSTRIES (INDIA) PVT. LTD.

Your partners in corrosion prevention

ARCOSET PU 10K

POLYURETHANE COATING FOR STRUCTURES, WALLS, FLOORS & VESSELS



INTRODUCTION

ARCOSET PU 10K is a coating based on polyurethanes, which plays a very important role in fighting against corrosion & erosion. **ARCOSET PU 10K** is a Non-UV resistant aromatic polyurethane coating, this makes it ideal for internal painting only. Never before has so much thought, R&D works, gone in curbing corrosion with a film of a few microns thickness.

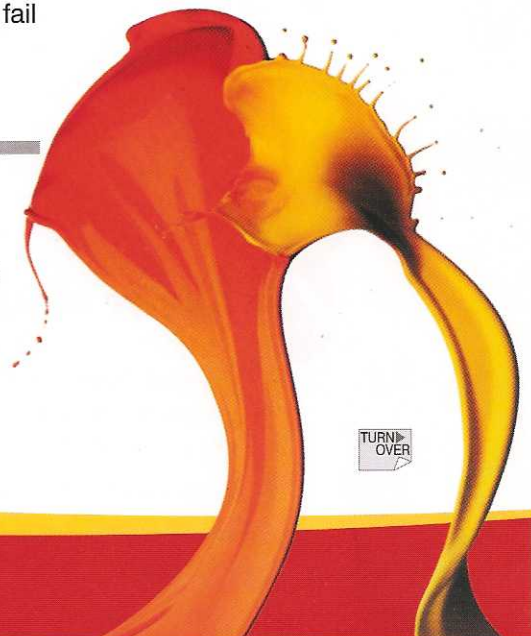
ARCOSET PU 10K is a high strength, high build PU coating, which is the result of specific research and development towards this direction. With this, we are now able to supply high quality anti-corrosion coatings for internal structures, machineries, walls, floorings etc. giving a guaranteed long life and is economical at the same time.

ARCOSET PU 10K is specially formulated PU systems 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 and 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 10K** more suitable for protective uses than the conventional systems. They are a 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.



PROPERTIES

- Excellent adhesion and durability
- Excellent Chemical & Water resistance
- Excellent Acid & Alkali resistance
- Good Anti-fungal properties
- High abrasion resistance
- Heat resistance upto 150°C
- High fungi & mildew resistance



INDUSTRIAL & MARINE COATINGS

A name in the making of Colours & Coatings

ARCOSET PU 10K

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**CORROSION
NO ENTRY**

TECHNICAL DATA

- Volume Solids : 50 - 60%
Density at 25⁰C : 1.10 - 1.25 gm / cc
Mixing Ratio (Base to Hardener) : 4 : 1 (By volume)
Pot life at 25⁰C : 45 - 60 minutes
Tack free at 25⁰C : 1 - 2 hrs.
Further workability at 25⁰C : After tack free
Dry Film Thickness (DFT) : 50 - 60 microns / coat
Coverage : 7 - 8 sq. mtr. / ltr. / coat
Shelf life : 12 months

APPLICATION DETAILS

Surface Preparation :

Prepare the surface up to Sa 2½ specification so as to attain a surface free of oil, dust, rust and previous coats. To attain such a surface, rust and 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 : PUC - 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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