INTRODUCTION

ARCOAT is a two pack epoxy polyamine cured solventless epoxy coating with very high chemical resistance for metallic as well as concrete surfaces.

CHARACTERISTICS

- Provides a hard, smooth and tough impermeable barrier against attack of corrosive ions over a PH range 1 to 14.
- Excellent adhesion on steel and concrete surfaces.
- Excellent chemical resistance (i.e. acid, alkali, solvents etc.)
- Low maintenance & ease of repairability.
- Excellent hardness and good flexibility.
- Recommended for off shore platforms, aqueous and severe chemical corrosive environments, structure coating situated in aggressive environments etc.
- Excellent erosion & abrasion resistance.
- Approved for food grade quality and can be suitably used for coating substrates coming in contact with food.

TECHNICAL DATA

Base: Solventless epoxy resin filled with speciality additives, anti-corrosive pigments & corrosion inhibitors
Hardener: Polyamine based
Colour availability: All colours available
Volume Solids: 100%
Specific Gravity at 25°C: 1.30 - 1.40 gm / cc
Dry Film Thickness (DFT): 120 - 135 microns / coat
TECHNICAL DATA

Temperature resistance : 95°C
Mixing Ratio (Base to Hardener) : 4 : 1 (By volume)
Coverage : 4 - 5 sq. mtr. / ltr. / coat
(This may vary depending upon environmental conditions,
work schedule & skills of applicator)
Cure : Tack free 10 hours at 25°C
       Full cure 7 days
Over coating time : After tack free
Sheel life : 1 year (storage below 25°C)

APPLICATION DETAILS

Surface Preparation :
SA 2.5 / ISO 2501 / SSPC SP-10 / NACE 2
(It covers the requirement of near white blast cleaning of metal surface by the use of abrasives)
For concrete surfaces it should be free of loose lattice. Moisture in concrete < 10%. Degreasing is
done to remove oil & grease.

Environmental Conditions : Relative humidity < 85% • Atmospheric Temperature > 15°C
Cleaning Solvent : CT - 1
Thinner : Thinner should not be used. It will adversely affect performance of coating.

P.S. : Chemical resistance data is available on request.

ARCOY INDUSTRIES (INDIA) PVT. LTD.
Your partners in corrosion prevention

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