



ARCOY INDUSTRIES (INDIA) PVT. LTD.

Your partners in corrosion prevention

ARCOFLAKE

HIGH BUILD SOLVENTLESS EPOXY GLASS FLAKE COATING



INTRODUCTION

ARCOFLAKE is a two component reinforced with micronised glass flakes epoxy polyamine cured, solventless high gloss extra chemical resistant coating for brush as well as airless spray application.

CHARACTERISTICS

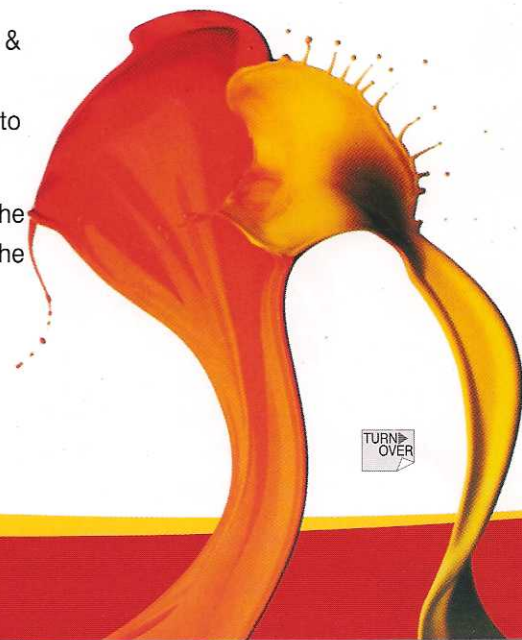
- Provides a tough impermeable barrier suitable for steel (pipeline internal & external, ship, Tank internal & external, structural coating etc.) and concrete surfaces with excellent adhesion.
- Provides extended life of protective coating because of dispersed glass flakes through the coating, which prevents the ingress of water vapour and chemical solutions. These glass flakes form a tortuous path of platelets within the coating film, which is totally impervious to moisture, vapour and are highly chemical resistant.
- Provides prevention from cracking and peeling because glass flakes provides a thermal stabilization layer in the protective coating and greatly reduces the risk of cracking and peeling of the coating due to thermal shock. Superior adhesion is achieved by the surface tension effect of the screened particles of glass flake.
- Provides improved wear & tear resistance because glass flakes increases the hardness of epoxy resin coatings, giving higher resistance to surface wear.
- Excellent resistance to marine, aqueous and several chemical corrosive & abrasion environment.
- Low maintenance and ease of repairability has made it an asset to **OFFSHORE PLATFORMS.**

In case of heavy damage, the coating can be easily repaired by cleaning the damaged area feathering the surrounding coating and recoating to form the original long lasting protection.

**CORROSION
NO ENTRY**

INDUSTRIAL & MARINE COATINGS

A name in the making of Colours & Coatings



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TECHNICAL DATA

- Colours : **All colours available**
Base : **Solventless epoxy resin based reinforced with treated micronised glass flake, corrosion inhibitors and speciality additives.**
Hardener : **Polyamine based**
Volume Solids : **100%**
Specific Gravity : **1.35 - 1.45 gm / cc**
Dry Film Thickness (DFT) : **130 - 175 microns / coat**
Temperature resistance : **95⁰C**
Coating Adhesion : **>100 kg / cm²**
Hardness : **40 Barcol**
Abrasion Resistant : **0.14 gm loss / 1000 cycles / 1000 gm load**
Mixing Ratio (Base to Hardener) : **4 : 1 / 3 : 1 (By volume)**
Pot life : **45 - 60 minutes at 25⁰C**
Coverage : **3 - 4 sq. mtr. / ltr. / coat at 150 microns DFT.**
(This will vary upon work schedule and application skills.)
Curing : **Tack free 9 - 10 hours at 25⁰C • Full cure: 7 days**
Overcoating time : **After tack free**
Shelf life : **1 year (Below 25⁰C)**

APPLICATION DETAILS

Surface Preparation :

SSPC SP - 10 / NACE Z / ISO 8501 / Sa 2½

(It covers the requirement of near white blast cleaning of metal surfaces by the use of abrasives)

Concrete surfaces should be free of loose lattice. Moisture in concrete < 10%

Environmental condition : Relative humidity < 85 % • Atmospheric temperature > 15⁰C

Cleaning Solvent : GFT - 1

Thinner : Thinner should not be used. This will adversely affect performance of coating



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