

AmeetuffPuro Acryl conductive coating –

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INTRODUCTION

It is a single packpuroacryl conductive air drying coating .

SCOPE

It provide excellent conduction property along with coating on Steel , mild steel, Aluminium, wood , PVC Etc. Along with its conductive properties it is very use full in hospitals , nuclear plants , sensitive electronic and electrical instruments ,because of high conductive properties ,etc , It forms a durable air drying , film over the surface. The product possess good flexibility addition and water & Chemical resistance.

PRODUCT DATA

Type	: One Pack Puro-Acryl air cured and retain chemical suitably pigmented in separate pack
Composition	: Puroacryl Acrylic
Mixing Ratio	: 9:1 Base:thinner : by volume
Pot Life	: 2-3 hours
Application	: Brush, rollers, airless or conventional spray
Recommended DFT	: 30 microns per coat
Corresponding WFT	: 115-135 microns per coat
Theoretical Spreading Rate	: 7 -8 sq.mtr/Ltr
Drying Time	: Handle- 3-4 hr.
Curing Time	: 8 hrs
Flash Point	: Above 22°C
Colour	: As per Amex Shade Card
Solubility	: Soluble in high boiled aromatic solvent
Specific Gravity at 25°C	: 1.01
Viscosity	: 36 Sec. by four cup B4
Softening Point	: 260°C
Solid Contents	: 45% to 55%
Freezing Point	: 2°C
Effect on skin	: Nil
Packing	: 20 Ltrs.
Thinner/Cleaner	: Amex Puroacryl Thinner/Cleaner
Finish	: As per requirment

STORAGE LIFE

Upto 12 months as long as the sealed containers are kept under cover in a dry place under normal temperature conditions

USES

Recommended as a Primer/Paint for, hospitals , nuclear plants , sensitive electronic and electrical instruments ,because of high conductive properties ,for Chemical Plants, Tank exterior, Equipments, Pipelines,

RESISTANCE GUIDE

Chemical Resistance

Exposures	Splash and Spillage	Mild Fumes/Outdoor Resistance
Acids	Good	Very Good
Alkalis	Good	Very Good
Solvents	Good	Very Good
Salt	Excellent	Excellent
Water	Excellent	Excellent

TEMPERATURE RESISTANCE

Continous : 250°C

Intermittent : 300°C

WEATHERBILITY

Very Good in combination with suitable over coats

FLEXIBILITY

Good

ABRASION RESISTANCE

Good

SURFACE PREPARATION

STEEL: Remove grease, oil and other contaminants by using Amex 3 in 1 chemical or Sand Blast a minimum of Sa 2.5 Swedish Standard SIS 05 5900 with surface profile not exceeding 65 microns.

If blasting is not practical, remove loose rust and dirt by manual chipping and wire brushing scale to St-2 Swedish standard SIS 05 5900. Don't Polish the steel excessively. To obtain best result treat the manually cleaned surface with Amex Metal Conditioning Sol.

Apply Puroacryl Primer only on a clean and dry surface.

APPLICATION

Stir the base thoroughly, Mix 9 parts of base and 1 part of thinner by volume to uniform consistency. Let the mixture mature for 2 minutes. Stir it again before and during application.

- Brush / Roller** : Apply without thinning. If required during application add maximum upto 5% Puroacryl thinner
- Conventional Spray** : Depending on conditions dilute by adding 10% Puroacryl Thinner. Use any standard equipment at an atomising pressure of 3.5 - 4.2 kg/cm².
- Airless Spray** : Preferable apply without thinning. If conditions dilute by adding 10% Puroacryl Thinner. Use any standard equipment at an atomising pressure of 3.5 - 4.2 kg/cm²
- Tip Size** : 0.33 - 0.38 mm, Tip Pressure - 110 - 140 Kg/cm²

TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat
Steel	Conductive Primer	Puroacryl Paint	Puroacryl Paint
Galvanised Iron & Aluminium	Conductive Primer		
Fibre Glass	Conductive Primer	Puroacryl Paint	Puroacryl Paint

NOTES

1. The mixed paint should be used within the stipulated pot life period.
2. Don't apply when temperature falls below 10°C or rises above 50°C and when relative humidity rises above 90%. Do not apply during rain, fog or mist.
3. To avoid any undue damage to the Paint and Spray equipments clean them with thinner.
4. No Inflammable activity should be carried out when application is under process.

DISCLAIMER

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