

ADVOGUARD 3370 PHE

(High Build Epoxy Phenolic Coating)

GENERAL DESCRIPTION

High Build highly cross-linked Epoxy Phenolic coating with high heat deflection temperature makes it ideal coating to protect steel work beneath thermal insulation in areas subject to wet and dry cycling.

RECOMMENDED USE

Interior of Storage Tanks, Silos, Cargo- holds. Insulate steel operating at temperature up to 230°C and down to cryogenic condition.

PHYSICAL DATA

Colour	Buff, Dark Grey, RAL 7011 & White
Finish	Smooth Eggshell
Volume Solids (by ASTM D 2697)	70 ± 1%
Mixing Ratio – Base: Hardener	3 : 1 by Volume
Recommended Dry Film Thickness	100 -150 µm per coat
Wet Film Thickness	142 -214 µm per coat
Theoretical Spreading Rate	6.48 m ² per litre @ 125 µm DFT
Flash Point	>30°C

DRYING TIME:

Drying times are generally depend on air circulation, ambient temperature, film thickness and number of coats, and will be affected accordingly. The figures given in table below are indicative only.

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TEMPERATURE		15°C	25°C	35°C
INDUCTION TIME		15 Minutes	10 Minutes	5 Minutes
TOUCH DRY		5 hours	3 hours	2 hours
HARD DRY		16 hours	10 hours	8 hours
OVERCOATING INTERVAL	MINIMUM	16 hours	10 hours	8 hours
	MAXIMUM	48 hours	36 hours	24 hours
POT LIFE		3 hours	1½ hours	1 hours

THINNER RECOMMENDED	Advoguard Thinner
SHELF LIFE	12 months @25°C

PERFORMANCE DATA	Resistance to Distilled Water	8000 Hrs. passes
	MIBK	15000 Hrs. passes
	20 % HCL Solution at room temperature	2500 Hrs. passes
	30 % H2SO4 Solution at room temperature	3500 Hrs. passes
	25 % NaOH Solution at room temperature	3500 Hrs. passes
	Resistance of 50% NaOH Solution	1500 Hrs. passes
	Diesel resistance test	20000 Hrs. passes
	Xylene resistance test	18000 Hrs. passes
	Kerosene resistance test	18000 Hrs. passes
	Protection against corrosion from Humidity (IS 101)	15000 Hrs. passes
	Resistance to Salt Spray (ASTM-B-117)	12000 Hrs. passes
	Dry Heat Resistance (120-130 °C)	2 months in the oven. No visible film defects.

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LIMITATION	
POT LIFE	If viscosity of mixed paints reaches more than double of initial viscosity do not apply the mixed paint anymore.
BLASTING OR APPLICATION	Do not carry out an application in the following conditions: When humidity > 90% When ambient temperature < 10°C When Substrate temperature is less than 3°C about the dew point.
SURFACE PREPARATION	Accumulated dirt and solvent salts must be removed by brush followed by fresh water cleaning. Repeat the process still the surface is free from chloride & dry it. Oil and grease should be removed following SSPC-SPI solvent cleaning.
ABRASION BLAST CLEANING	Abrasion blast clean to minimum Sa 2½ (ISO 8501-1:2007) or SSPC-SP10. Surface profile would be sharp and angular to 75 – 90 micron. Coating should be applied prior to surface oxidation. If Surface oxidation has occurred, reblast to visual standard. Surface defects like weld spatters, holes etc. must be taken care. Recommended primers are Galozinc 1180, Galozinc 1190, and Advoguard 1250/1255.
MIXING METHOD	Material is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied. Agitate Base (Part A) with pneumatic stirrer and add Part B slowly under continue stirring 3-5 minutes till the mixture becomes homogeneous. Do not add thinner. If ambient temperature >35°C, add 2-5% thinner to avoid dry spray and to control the DFT.
AIRLESS APPLICATION	Pump Ratio: 60: 1 Tip size : 0.48 – 0.65 mm Air pressure: 4 – 5 Bar

BRUSH APPLICATION

For small area or to touch up, apply Advoguard 3370 PHE by brush. Advoguard 3370 PHE can be applied directly on blasted steel having blast profile of 70 – 90 µm.

STORAGE

Do not apply when humidity is very high (>90°C) or the ambient temperature is below 3°C of dew point.

The product must be store below 25°C and in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space, and away from source of heat and ignition. Containers must be kept tightly closed

SAFETY PRECAUTIONS

Keep the material away from heat, spark, and direct flame.

In case of contamination, rinse with fresh running water and seek medical help at once.

Provide sufficient ventilation when working with solvent based coatings in confined spaces and stagnant air.

Follow Local and National Safety Rules.

WORK STOPPAGE

Clean the hoses, gun or spray equipment with water immediate after application. Do not allow material to remain in the equipment system.

CLEAN UP

Clean all equipment thoroughly with water immediately after use. As part of good working practices, spray equipment should also be flushed periodically during the working day. The frequency of cleaning depends on factors such as the volume of material sprayed, ambient temperature, and the duration of any delays or downtime.

Dispose of all surplus materials and empty containers responsibly, in compliance with applicable regional regulations and legislation.

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NOTE

Thinner consumption and loss factor in practical coverage of paint depends upon the site condition.

Avoid inhalation of solvent vapour or paint mist by using facial mask. Also use gloves and goggles to protect against direct contact of paint with skin and eyes.

This cancels all previous information sheets for this Product.

Information given here is in good faith without warranty.

DISCLAIMER

The information provided in this document is based on Advance Paints best knowledge, derived from laboratory testing and practical experience. As Advance Paints products are considered semi-finished goods, they are often used under conditions beyond the company's control. Therefore, Advance Paints can only guarantee the quality of the product itself and cannot assume responsibility for its performance under all circumstances. Minor variations in the product may occur to meet local requirements. Advance Paints reserves the right to amend the provided data without prior notice.

Users should always consult Advance Paints for specific guidance on the suitability of this product for their particular needs and application practices.

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This data sheet is not exhaustive. For further information or additional details, please reach out to our Technical Service Team.

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