

ADVOTHERM HR 3130 ZS

(Heat Resistant - 300°C Silicone Coating)

GENERAL DESCRIPTION

A single-pack coating specially formulated on Silicone Resin and pigmented with Aluminium flakes to protect steel surfaces operating at temperatures up to 300°C.

RECOMMENDED USE

On Stacks, Boiler casings, Exhaust pipes, hot Pipelines, pumps & manifolds, Process vessels and equipment which reach temperatures up to 300°C.

It can be applied on Zinc Silicate coatings.

PHYSICAL DATA

Colour	Aluminium
Finish	Metallic Lustrous
Volume Solids (ASTM D 2697)	31 ±1%
Dry Film Thickness	20 – 25 µm per coat
Wet Film Thickness	66 – 83 µm per coat
Spreading Rate	12 m ² per litre @ 25 µm DFT
Flash Point	>25°C
Viscosity (By Flow Cup)	30 seconds @ 27 ± 2°C

DRYING TIME:

Drying times are generally depending 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.

ADVANCE PAINTS PVT. LTD.

TEMPERATURE		15°C	25°C	35°C
INDUCTION TIME		*N/A	*N/A	*N/A
TOUCH DRY		4 hours	3 hours	2 hours 30 min.
HARD DRY		18 hours	16 hours	14 hours
OVERCOATING INTERVAL	MINIMUM	24 hours	24 hours	24 hours
	MAXIMUM	Indefinite	Indefinite	Indefinite
POT LIFE		N/A	N/A	N/A

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

LIMITATION	
POT LIFE	N/A
BLASTING OR APPLICATION	Do not carry out an application in the following conditions: When humidity > 95% When ambient temperature < 10°C and >48 °C When Substrate temperature is less than 3°C above 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. All oil, grease, dirt, and other contaminants shall be removed in accordance with SSPC-SP1 Solvent Cleaning. After surface cleaning, apply one coat of a suitable primer, such as Ready Mixed Paint, Universal Zinc Chromate Primer is 1874, in accordance with the manufacturer's recommendations.
---------------------	--

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 20 – 25 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.
-------------------------	--

MIXING METHOD	Material is supplied in one containers as a unit. Always stir properly before application Do not add thinner. If ambient temperature >40°C. A small quantity of Advotherm Thinner can be added.
AIRLESS APPLICATION	N/A
CONVENTIONAL AIR SPRAY	Air Spray Gun (Pilot Type 59) Pressure - 3 - 4 Kg/sq cm Nozzle size - 1.2 - 1.8 mm
BRUSH APPLICATION	Can be applied by brush without thinning. Avoid runs or sags. Do not apply when humidity is very high (>90°C) or the ambient temperature is below 3°C of dew point. Coating thickness should not exceed 35 micron/coat
STORAGE	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 suitable thinner immediate after application. Do not allow material to remain in the equipment system.

CLEAN UP

Clean all equipment thoroughly with Advotherm Thinner 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.

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.

Issue date: 1 August 2023

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

ADVANCE PAINTS PVT. LTD.