

650

VHS 650°C Fire Proof Coating

PRODUCT DESCRIPTION AND USES

A single pack product based on a silicone modified synthetic resin. The latest development in silicone technology has enabled the introduction of a high build fireproof coating specifically formulated for use on furnaces, exhaust stacks, exhaust pipes, heaters, superchargers, chimneys, jet engine components as well as stoves and barbeques. VHS 650°C provides the best known protection against aggressive industrial and marine exposure conditions. VHS 650°C is fireproof withstanding continuous operation temperatures from zero to 450°C, and intermittent exposure in excess of 650°C. Unlike ceramics the thermal elasticity of VHS will tolerate sudden dimensional change of substrate due to heat and cold shock. The high solids formulation ensures a one coat wet on wet application system directly to sand blasted substrates to a D.F.T of 125-150 microns. VHS 650°C needs no primers or subsequent finish coats, and is impervious to salt spray and corrosives.

PHYSICAL PROPERTIES

Color/Texture	Black and Silver in a satin finish
Volume Solids	41% Black
Product Density	1.22kg/litre
Drying Time	Tack Dry: 30 minutes

Recommended Cure Cycle It is important that a gradual rise in temperature is maintained during the cure, and we recommend the following table for maximum performance.

- 30 minutes gradual rise to 100°C
- 1 hour gradual rise to 100°C – 200°C
- 2 hours gradual rise to 200°C – 450°C

Recoat	Not required
Flash point	30°C

NB. THIS COATING IS FLAMMABLE UNTIL DRY.

SURFACE PREPARATION

Surface substrate should be ideally sand blasted to SA21/2, cleaned and dry before the application of VHS 650°C. Existing paintwork should be sound and any loose or flaking paint removed. Then sand the surface to attain good adhesion.

APPLICATION DATA

VHS 650°C can be applied by brush, roller or conventional air assisted spray.

NB: Airless spray is not recommended.

Ensure substrate surface is above 10°C before application.

Recommended D.F.T	125 microns
Recommended W.F.T	300 microns
Theoretical Spreading Rate	3.5m ² /litre @ 125 microns D.F.T
Thinners	Brushing: K 9
	Spraying: H9 or G5

NB: Product will remain soft until cured and will give off vapour during curing.

HEALTH AND SAFETY

Irritant

Avoid contact with skin and eyes. Avoid breathing vapour or sanding dust. When using this product it is recommended that full overalls, gloves, face mask and goggles be worn. Store container in a safe place when not in use. Do not burn container.

FIRST AID

EYES

Flush with water for at least 15 minutes and seek medical advice.

SKIN

Wash contact areas with soap and water. Remove all contaminated clothing, and seek medical advice. Do not scrub.

INHALATION

Remove patient from further exposure, and keep patient warm and comfortable.

INGESTION

Do not induce vomiting. Rinse mouth with water. Seek medical advice as soon as possible.

TRANSPORTATION AND DISPOSAL

Class

3

Hazchem Code

•3YE (3); •3Y

UN No

1263

Packing Group No

III

Fire Extinguishing Media

CO₂, Foam, Dry Chemical

Fire Fighting Procedure

Fire fighters should wear self contained breathing apparatus. Fight fire from a protected location as product may explode on heating. The vapours are heavier than air, so may travel along the ground to accumulate in low areas. Fire may flash back along vapour trail, and can also react with oxidising agents.

Spills should be cleaned up immediately by using sand or other non-flammable absorbent materials. Ensure material does not enter waterways.

Dispose of empty containers in accordance with local by laws.

OTHER INFORMATION

This product may be used for a wide variety of surfaces. If the surface you propose to paint is not referred to, contact Protective Paints Technical Department for classification.

For further technical information please phone 0800 724 684.

RELIABILITY OF INFORMATION

All statements and technical information contained herein are based on tests we believe to be reliable but the accuracy thereof is not guaranteed. Since Protective Paints Ltd has no control over product application, purchasers and users must confirm the suitability of our products under their conditions to meet their own requirements.

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