

650 VHS Satin

PRODUCT DESCRIPTION AND USES

A single-pack coating formulated from a silicone-modified synthetic resin. Developed using advanced silicone technology, it delivers a high-build, heat-resistant finish ideal for high-temperature applications such as furnaces, exhaust stacks, pipes, heaters, superchargers, chimneys, jet engine components, stoves, and barbeques.

Engineered to perform under demanding industrial and marine environments, VHS Satin offers exceptional protection against corrosion and thermal stress. It withstands continuous operating temperatures up to 450°C and tolerates intermittent peaks exceeding 650°C. Unlike ceramic coatings, its thermal elasticity allows it to endure rapid temperature fluctuations and substrate expansion or contraction due to heat or cold shock.

The high solids formulation ensures a one coat wet on wet application system directly to sand blasted substrate to a D.F.T of 125-150 microns. VHS Satin requires no primer or topcoat, and it's tough, satin finish is resistant to salt spray and corrosive exposure.

PHYSICAL PROPERTIES

Appearance	Black, Silver / Satin
Size	1L, 4L, 20L, Aerosol
Volume Solids	41%
Product Density	1.22kg/litre
Drying Time (25°C)	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 Time	Not required
Flash Point	30°C

Note – 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 Satin. Existing paintwork should be sound and any loose or flaking paint removed, then sand the surface to attain good adhesion.

APPLICATION DATA

Best applied by conventional air-assisted spray. Small areas may be brushed or rolled.

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

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: K9 Spraying: H9

HEALTH AND SAFETY / STORAGE

For detailed information refer to the product label or SDS, available on request.

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.

The information concerning the use and application of this product is intended for use by professional specifiers and applicators, is given in good faith and is believed to be correct at the date of issue. Protective Paints Ltd reserves the right to alter the product or specification without notice. The user should check the date of issue, and if more than 24 months have elapsed, should verify with our nearest sales office that the information is still current. Because we cannot control the way these products may be used, or the conditions they may be exposed to, we can give no express guarantees in respect of the performance of this product. However certain guarantees may be implied by law.

ISSUE: 3.0 / June 2025