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ViterClad 50 Cladding Coating

Product Description	**A two pack recoatable polyurethane finish** specially formulated for the maintenance and repainting of architectural cladding.
Features & Use	• Recommended for the maintenance of Colorcoat HP200* and HPS200* cladding • **Expected system lifetime up to 15 years** (depending on exposed environment and shade) • Suitable for PVF2, Silicone Polyester & Polyester Cladding when applied over ViterClad Bonding Coat • Suitable for urban, marine and industrial environments • Tough, durable finish combining abrasion resistance with outstanding colour and sheen retention • Good cleaning properties for ease of building maintenance • Cures at sub-zero temperatures and has good climatic tolerance • Tolerant of slight surface moisture during application
Approvals/ Certification	Recommended for the maintenance of Colorcoat HP200* and HPS200* cladding
Finish	Semi-gloss
Volume Solids	58 ± 2% (may vary with colour)
VOC Content	399 ± 20 g/litre (varies with colour)

Film Thickness Range And Coverage

	Dry Film Thickness	Wet Film Thickness	Theoretical Coverage
Minimum	50 µm	86 µm	11.6 m^2/litre
Maximum	100 µm	172 µm	5.8 m^2/litre

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated

Drying Times

Applied to 50 microns DFT		+5°C	+10°C	+23°C	+35°C
Dust Free		3 hr	2 hr	1 hr	45 min
Hard Dry		9 hr	6 hr	3 hr	2 hr
Overcoating	Minimum	24 hr	24 hr	12 hr	10 hr
	Maximum	Indefinite if clean and sound			

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation

Colours	BS and RAL colours via our in-can tinting system
Mix Ratio/ Product Code	Base **2897** 9 parts by volume (or **2886 (L)** – see Product Notes) Hardener **4054 122** 1 part by volume
Pot Life	4 hours at 23°C
SG	1.40-1.60 kg/lt mixed, varies with colour
Storage Conditions	Store in dry, cool conditions and protect from frost
Shelf Life	Minimum 12 months if stored as above in unopened containers
Flash Point	23-60°C

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Surface Preparation	• This product is a finish coat which should be applied over ViterClad Bonding Coat or suitably prepared, sound Plastisol for recolour work • For aged/degraded Plastisol, condition diagnosis and correct surface preparation are critical to performance. **Please consult Axalta Coating Systems for individual project specifications** • Completely new and unweathered **HP200*** Plastisol must be wiped with white spirit (1050 Thinner) and allowed to dry prior to applying ViterClad 50 • New **HPS200*** Plastisol must be wiped with xylene (1006 Thinner) and allowed to dry prior to applying ViterClad 50 • For PVF2, Silicone Polyester and other cladding types, refer to Axalta Coating Systems • Surfaces should be clean, dry and free from all grease, oil and general contamination
Mixing	Mix only in the proportions stated, mixing each component individually then together using a mechanical agitator. Agitate periodically during use to ensure product remains homogeneous.
Thinner	1737 Thinner **Equipment Cleaner** 1737 Thinner
Application Conditions	Only apply in conditions of good ventilation which must be maintained during drying and curing. Do not apply in windy conditions where wind is likely to carry spray mist. Do not apply when rain, mist, sleet or snow are imminent. During application and drying time of the paint coating, the surface should be dry, the Relative Humidity should not exceed 85% and the steel temperature should remain at least 3ºC above the dew point. Only apply this product when the above conditions can be maintained throughout the critical application and drying/curing process. Paint temperature should ideally be at a minimum of 15ºC. Do not apply above 40ºC. Do not apply over standing or running water or ice.
Application Methods	• Airless Spray: Output fluid pressure at tip 2200-2500 psi, Tip Size: 13-17 thou (0.33-0.43mm). Up to 5% 1737 Thinner may be added for application under cool or hot conditions, but thinning should be avoided if possible • Conventional spray is possible but not recommended • Brush – up to 5% 1737 Thinner may be required • Roller – use only good quality short hair roller types of suitable width to accommodate the cladding profile and configuration – always work from a wet edge. Up to 10% thinner may be required – use 1048 Thinner when applying by roller in warm conditions
Product Notes	• Certain pale shades and accent colours may require extra coats for complete obliteration • **Contains isocyanates** – refer to Safety Data Sheet • Some shades may contain lead colourants and these are labelled ViterClad **50(L)** • For best opacity, particularly with bright tinted colours such as bright yellows, oranges and reds, this product should be applied over a primer or intermediate coat tinted to the recommended undercoat shade – please consult Axalta Coating Systems for details • This coating has not been tested to the standard of the new regulation 7(2) of the Building Regulations 2010, which came into force in Dec 2018 ** Colorcoat HP200 & HPS200 are registered Trade Marks of Tata Steel UK Ltd.*
Health & Safety	Containers are provided with safety labels which should be observed. Further information about hazardous influences and protection are detailed in individual Product Safety Data Sheets. A Safety Data Sheet for this product is available on request from Axalta Coating Systems.