

ViterThane PDV PU Anti-graffiti Finish

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|---|---|---------------------------|--------------------------------|-----------------------------|--------------|
| Product Description | A two pack polyurethane finish with very high gloss and excellent anti-graffiti properties. | | | | |
| Features & Use | <ul style="list-style-type: none"> • An polyurethane finish with high impact and abrasion resistance and superb colour and gloss retention • Excellent chemical and solvent resistance • Low temperature curing down to -5°C • For anti-graffiti properties on bridgework or other structures • Apply PDV in a colour as an anti-graffiti finish over an appropriate primer/intermediate, or apply PDV Clear over a coloured coat of ViterThane PLV or ViterThane PLS, to provide a UV stable anti-graffiti finish | | | | |
| Approvals/ Certification | Please consult Spencer Coatings | | | | |
| Finish | High gloss | | | | |
| Volume Solids | 50 ± 2% (may vary with colour) | | | | |
| VOC Content | 454 ± 20 g/litre (varies with colour) | | | | |
| Film Thickness Range And Coverage | | Dry Film Thickness | Wet Film Thickness | Theoretical Coverage | |
| | Minimum | 40 µm | 80 µm | 12.5 m ² /litre | |
| | Maximum | 50 µm | 100 µm | 10.0 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 | | +10°C | +23°C | +35°C |
| | Dust Free | | 4 hr | 4 hr | 1 hr |
| | Hard Dry | | 12 hr | 7 hr | 3 hr |
| | Overcoating | Minimum | 24 hr | 16 hr | 10 hr |
| | | Maximum | 3 days | 2 days | 1 day |
| Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation | | | | | |
| Colours | Clear, plus a selected range of BS and RAL shades | | | | |
| Mix Ratio/ Product Code | Base | 2894 | 2 parts by volume | | |
| | Hardener | 4054 001 | 1 part by volume (for Clear) | | |
| | Hardener | 4054 002 | 1 part by volume (for colours) | | |
| Pot Life | 3-4 hours at 23°C | | | | |
| SG | 1.23-1.30 kg/lit 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 | <ul style="list-style-type: none"> This product is a finish coat and should be applied over an appropriate primer or intermediate coating, or over ViterThane PLV or PLS All surfaces to be coated should be dry and cleaned as necessary to remove all oil, grease, salts or other 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 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 3°C 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 15°C. | | | | | | | | | | | | | | |
| Application Methods | <table border="1" data-bbox="451 842 1489 969"> <thead> <tr> <th data-bbox="451 842 691 913">Method</th> <th data-bbox="691 842 938 913">Airless Spray</th> <th data-bbox="938 842 1185 913">Conventional Spray</th> <th data-bbox="1185 842 1337 913">Brush</th> <th data-bbox="1337 842 1489 913">Roller</th> </tr> </thead> <tbody> <tr> <td data-bbox="451 913 691 969"></td> <td data-bbox="691 913 938 969">Yes</td> <td data-bbox="938 913 1185 969">Yes</td> <td data-bbox="1185 913 1337 969">Yes</td> <td data-bbox="1337 913 1489 969">Yes</td> </tr> </tbody> </table> | | | | | Method | Airless Spray | Conventional Spray | Brush | Roller | | Yes | Yes | Yes | Yes |
| | Method | Airless Spray | Conventional Spray | Brush | Roller | | | | | | | | | | |
| | Yes | Yes | Yes | Yes | | | | | | | | | | | |
| <ul style="list-style-type: none"> Airless Spray: Output fluid pressure at tip 2200-3000 psi, Tip Size: 13-17 thou (0.33-0.43mm) Application by brush or roller is typical but the degree of cosmetic finish will be best when spray applied | | | | | | | | | | | | | | | |
| Product Notes | <ul style="list-style-type: none"> Drying/Overcoating times at +5°C (@ 50µm dft): Dust free – 6 hrs; Hard dry – 18 hrs; Min overcoating – 36hr; max overcoating – 5 days If maximum overcoating times are exceeded, abrading will be necessary to provide a 'key' For optimum opacity using colours, use a primer/undercoat of a suitable shade High humidity and condensation will impair gloss if exposed during application and curing Contains isocyanates – refer to Safety Data Sheet For an anti-graffiti finish, apply the appropriate primer and intermediate coats, then either: apply PDV in a colour directly; or, apply ViterThane PLV or PLS in a colour, followed by PDV Clear | | | | | | | | | | | | | | |
| 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 Spencer Coatings. | | | | | | | | | | | | | | |