

for Flooring & Paving - Protects, Preserves, Colours, Hardens, Enhances

TECHNICAL DATA TD 53



PRODUCT DESCRIPTION

Adseal Satin Finish is a hard wearing, high solids blend of UV stable MMA polymers suspended in aromatic hydrocarbons designed to seal & protect a wide range of natural products e.g. Stone, Slate, Travertine, Sandstone, Limestone, Clay tiles/pavers, etc..

Penetration, bonding and polymerisation results from solvent evaporation & atmospheric moisture.

SPECIAL PROPERTIES

THE SYSTEM

A colourless, non yellowing, & UV stable single component, low viscosity product with fast cure enabling rapid installation and early re-use of facility.

Increased impact & abrasion resistance maintains, and arguably increases, performance life of pavement and can yield significant 'whole life' cost savings.

Its unique formulation make it easy to apply and achieve an even, uniform, and seamless finish.

Reduces routine maintenance

A major feature is the combination of its hard wearing qualities with its ease of recoating/refreshing during future maintenance, unlike urethane based products.

MAIN APPLICATIONS

KITCHENS, CONSERVATORIES, BATHROOMS
FOOTWAYS, COMMUNAL CORRIDORS
FOYERS IN HOTELS, GOLF CLUBS, ETC.
VERTICAL & HORIZONTAL SURFACES

PERFORMANCE

With correct maintenance and depending upon surface type, potentially 10 years plus*. Colour enhancement will remain for 1 – 2 years although protective effect will remain for longer, potentially 4 – 6 years, depending upon surface type & wear.

*A major design feature of this product is that it is easily re-coatable and does not need stripping before future treatment as maintenance coats cross link into original forming a monolithic layer. Recoating worn areas effectively means that the sealer may never need stripping and replacing.

FEATURES/BENEFITS

- Single component - spreads easily, cures quickly for rapid re-use of facility
- Higher strength & better chemical resistance than traditional sealers
- Stops oil and other stains
- Improved impact & abrasion resistance prolongs performance life reducing whole life cost
- Plucks, Cracking & flaking virtually unheard of
- Reduces and eases routine maintenance
- Ease of future refurbishing without the need to strip
- Virtually no effect on CoF of treated surface as single coat.
- 100% UV & fade resistant

TECHNICAL DATA

| | |
|--------------------------|--|
| Coverage: | Approx 10m ² per litre per coat depending on surface porosity |
| Application Temperature: | min +5°C max + 25°C |
| Cure rate: | foot traffic 3 hrs, vehicular 24 hrs |
| UV resistance: | excellent |
| Flash point: | 45°C |
| Storage: | under cover and protect from extremes of temperature |
| Shelf life: | 18 months unopened |
| Packaging: | 500ml, 1 litre & 5 litre containers |
| Shipping Specification: | Packaging group III UN no. 1866 Class 3.3 |
| Equipment Cleaning: | Use Adseal Solvent cleaner in a well ventilated area |

USE WITH

- Low slip additives

LIMITATIONS

Highly polished & glazed surfaces.

APPLICATION

Use as supplied without thinning down.

Surfaces should be clean, dry & free from oil, grease, dust, laitance and any other deleterious materials.

Do not apply in temperatures below 5⁰C or above 25⁰C and should not be subjected to extremes of temperature until completely dry.

It is important to undertake a representative test area to ensure that the product is suitable for your requirements prior to commencement of the project and assessed for final appearance, chemical resistance and wet & dry slip resistance. This is particularly important where the surface has previously been sealed.

Application can be by an airless sprayer designed for solvent based products or by brush or roller. During application care should be taken to protect adjacent areas etc., from overspray/splashes.

The surface should be sectioned off to assist accurate coverage. Apply at the rate of approx 10m² per litre per coat maintaining a wet edge but do not allow to puddle. One coat will give satin finish. Additional coats will develop a richer sheen.

Under normal conditions it will be touch dry within 1 - 2 hours and may be lightly trafficked after 24 hours.

The above to be read in conjunction with the current Safety Data Sheet available as a hard copy or to download from www.adseal.info

SPECIFICATION CLAUSE

'The designated surface shall be sealed with Adseal Satin Finish at a rate of approx 10 square metres per litre per coat as supplied by Adseal, Units 17 – 18 Raikes Clough Industrial Estate, Raikes Lane, Bolton, BL3 1RP. The sealer should be applied with an approved airless sprayer, brush or roller and all work carried out in accordance with the suppliers current installation instructions.

OR

'The designated surface shall be sealed with Adseal Satin Finish at a rate of approx 10 square metres per litre per coat as supplied by Adseal, Units 17 – 18 Raikes Clough Industrial Estate, Raikes Lane, Bolton, BL3 1RP. The sealer should be applied with an approved airless sprayer, brush or roller and all work carried out by an Adseal 'Approved Installer'.

TECH SUPPORT

We have extensive practical expertise and technical knowledge to share with you. Whether you are sealing for the first time, or an experienced installer or professional Specifier with a technical query, please call us on +44 (0) 1204 523973 or email: support@adseal.info - we are here to help

PROPERTIES

| | |
|-------------------------------------|----------------------------------|
| Tensile Strength (MPa) | 16.3 |
| Elongation (%) | 352 |
| Specific Gravity (at 20°C) | 0.86 - 0.88 |
| Resin Solids Content (%) | Not exceeding 30% |
| Appearance | Clear Liquid, neutral in colour |
| UVa Stable | Yes |
| Free Isocyanate Monomer | n/a |
| Rate of Cured Film Hardness (Sward) | 51 (24 Hours), 64 (1 Week) @20°C |
| Viscosity (at 25°C mpa.s) | <20-50cPs |
| EEC Hazard Identification | Xn Harmful, Xi Irritant |
| UN Number and Shipping Class | 1866: Resin Solution, Class 3 |

HEALTH & SAFETY

As with all chemicals care must be taken when handling and in use. In its uncured state this product can be considered a hazardous material. Once fully cured it can be considered innocuous.

No smoking or naked lights as product is flammable and ensure area to be treated is well ventilated. If public access allowed, erect NO SMOKING signs & site fire extinguishers .

Wear appropriate protective clothing.

A mask of recommended type is essential when working close to the surface [e.g. when using paint brush] or working internally.

Read Safety Data Sheet before commencing work

MAINTENANCE

Sweep regularly to remove abrasive dirt and grit from surface and rinse down weekly using a mild detergent if required. Spills and marks should be wiped up as soon as possible and not allowed to dry on. Heavy stains can be removed using ADSEAL Orange Degreaser.

Should signs of wear appear a maintenance coat can be applied. Clean and thoroughly dry surface to be treated. Apply single 'tight' coat which will cross link into earlier coats so there is no need to strip unless resin build up or blemishes are an issue.