

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

TECHNICAL DATA
TD 21



PRODUCT DESCRIPTION

Adseal Stone Protector 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 pavers, etc..

It will also stabilise jointing in Clay pavers.

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

THE SYSTEM

SPECIAL PROPERTIES

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.

Virtually eliminates grass and weed growth in any joints and 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

DRIVEWAYS, ROADWAYS AND CARPARKS
FOOTWAYS & PEDESTRIAN PRECINCTS
HOTELS, GOLF CLUBS, ETC.
VERTICAL & HORIZONTAL SURFACES

PERFORMANCE

Medium trafficked areas.

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

*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
- Superior moisture resistance aids year round use
- Higher strength & better chemical resistance than traditional sealers
- Stops oil and other stains
- Improved impact & abrasion resistance prolongs performance life reducing whole life cost
- Tyre plucks & flaking virtually unheard of
- Reduces and eases routine maintenance
- Ease of future refurbing without the need to strip
- Virtually no effect on CoF of treated surface
- 100% UV & fade resistant

TECHNICAL DATA

Coverage:	5– 8 m ² per litre per coat depending on surface porosity
Application Temperature:	min +5 ⁰ C max + 25 ⁰ C
Cure rate:	foot traffic 3 hrs, vehicular 24 hrs
UV resistance:	excellent
Flash point:	45 ⁰ C
Storage:	under cover and protect from extremes of temperature
Shelf life:	18 months unopened
Packaging:	5 litre cans, 20 & 25 litre UN pails
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

Engineering bricks, 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 5^oC or above 25^oC 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 should ideally be by an airless sprayer designed for solvent based products but application by brush or roller is also suitable [see detailed installation instructions]. During application care should be taken to protect adjacent areas etc., from overspray.

The surface should be sectioned off to assist accurate coverage. Apply in THIN uniform coats maintaining a wet edge but do not allow to puddle. One coat will give matt colour enhancing finish. Additional coats will develop an attractive 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 detailed Installation Instructions Sheet and 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 Stone Protector at a rate of 5 - 8 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 and all work carried out in accordance with the suppliers current 'Product Information Sheet' and 'Installation Instruction Sheet'.

OR

'The designated surface shall be sealed with Adseal Stone Protector at a rate of 5 – 8 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 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.