



#### PRODUCT DESCRIPTION

Adseal HC Concrete Sealer is a hard wearing, high solids blend of UV stable MMA polymers suspended in aromatic hydrocarbons designed for use in warmer climates to seal & protect a wide range of surfaces e.g. Block paving, Plain, Exposed aggregate or Impressed Concrete, Flags & Slabs, etc., and will also stabilise jointing in CBP.

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

#### THE SYSTEM

##### SPECIAL PROPERTIES.

A 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.

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

Low to medium trafficked areas.

With correct maintenance and depending upon surface type, potentially 10 years plus\*. Externally colour could 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
- Higher strength & better chemical resistance than traditional sealers
- Stops oil & other stains & incorporates a UV filter
- Improved impact & abrasion resistance prolongs performance life reducing whole life cost
- Reduces and eases routine maintenance
- Ease of future refurbing without the need to strip
- Excellent resistance to tyre plucks, tyre marks, etc
- Stabilises sand joints minimising infestation

#### TECHNICAL DATA

Coverage:	5 – 8 m <sup>2</sup> per litre per coat depending on surface porosity
Application Temperature:	min +5 <sup>o</sup> C max + 35 <sup>o</sup> C
Cure rate:	foot traffic 3 hrs, vehicular 24 hrs
UV resistance:	excellent
Flash point:	45 <sup>o</sup> 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

- A standard & bespoke range of colours, premixed or as on-site additives incl. metallic & opalescent
- Low slip additives \_\_\_\_\_

##### LIMITATIONS

Engineering bricks, highly polished & glazed surfaces.

**APPLICATION**

Use as supplied without thinning down.

Preparation is paramount and surfaces should be clean, dry & free from oil, grease, dust, laitance and any other deleterious materials.

Do not apply in temperatures below 5<sup>0</sup>C or above 35<sup>0</sup>C but can be subjected to higher temperature when 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 [see detailed installation instructions]. Care should be taken to protect adjacent areas & equipment from overspray.

For ease of installation we recommend application takes place in a cool part of the day [e.g. early morning] to reduce speed of solvent evaporation

**HC/601**

The surface should be sectioned off to assist accurate coverage. Apply in a THIN uniform coat maintaining a wet edge but do not allow to puddle. Once touch dry apply second THIN uniform coat maintaining a wet edge but do not allow to puddle.

**HC/35**

The surface should be sectioned off to assist accurate coverage. Apply a thin mist coat of water to the area to be treated and ensure remains damp until over-coated with sealer. Apply in a THIN uniform coat maintaining a wet edge but do not allow to puddle. Once touch dry apply second THIN uniform coat maintaining a wet edge but do not allow to puddle. Under normal conditions each 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**

**SPECIFICATION CLAUSE**

Specification clauses can be supplied upon request

**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@adsealcontracts.co.uk](mailto:support@adsealcontracts.co.uk) - we are here to help

**PROPERTIES**

Tensile Strength (MPa)	16.3 - 16.8
Elongation (%)	352 - 354
Specific Gravity (at 20°C)	0.86 - 0.88
Resin Solids Content (%)	Not exceeding 30%
Appearance	Clear to milky liquid
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 Sheets before commencing works.

**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.