

## AUAP00004 App Surfaceshield HD Clear

### Description and Image

Previously known as APP Surfaceshield HD

APP Surfaceshield HD (heavy duty) is a water-based solution used to protect vertical surfaces from damage caused by graffiti and pollution as well as meeting the most stringent VOC regulations. APP Surfaceshield HD is a non-sacrificial coating and hence long term surface protection is achieved after a single application. Its non film-forming characteristics mean that APP Surfaceshield HD penetrates even the smallest pores without modifying the optical appearance of the substrate. Graffiti on surfaces protected with APP Surfaceshield HD can be removed using hot water pressure, making it the ideal solution where economic maintenance cleaning is desired. The use of graffiti removers may also be required in combination with hot water pressure cleaning for the removal of stubborn graffiti.

### Features and Benefits

- BARRIER AGAINST WATER, GREASY SUBSTANCES OR GRAFFITI
- RESISTS SUBSTRATE PENETRATION OF MOST TYPES OF GRAFFITI
- REDUCES SURFACE TENSION
- INVISIBLE AND VAPOUR PERMEABLE FILM
- HARD WEARING PROTECTION
- IDEAL FOR PROTECTING VERTICAL SURFACES
- ALLOWS FAST AND COST EFFECTIVE REMOVAL OF GRAFFITI
- DOES NOT CHANGE THE APPEARANCE OF THE ORIGINAL SURFACE

### Uses

APP Surfaceshield HD can be used to protect a wide variety of porous materials used in construction, retail, municipality, hospital and urban environments. Some uses include protecting walls, facades and roofs.

### Typical Properties

Components  
**1**

Line/Shade  
**992-H0049**

#### Application Conditions

	Min	Max
Air Temperature	<input type="text" value="5"/>	<input type="text" value="30"/>
Substrate Surface Temperature	<input type="text" value="5"/>	<input type="text" value="35"/>
Relative Humidity	<input type="text" value="40"/>	<input type="text" value="85"/>

	Min	Max	Recommended
Recoat Time (min/hours)	<input type="text" value="24 hours"/>	<input type="text" value="Indefinite"/>	<input type="text"/>

### Hardener Details

Typical Spreading Rate at recommended Dry Film Build

## Surface Preparation

1. Any previous coatings or sealants must be removed prior to application of APP Surfaceshield HD. The surface must be free from contaminants including grease, oil, dirt and other loosely adhering materials. Cleaning with an industrial detergent and hot water or with a high-pressure cleaner may be required for heavily soiled surfaces. Soft and easily damaged substrates, such as Limestone and some Sandstone, may require specialized preparation prior to treatment with APP Surfaceshield. Refer to your Dulux Protective Coatings Specifications Consultant for specific advice.
2. Surface should be pH neutral. Application over strongly alkali surfaces (such as new concrete) may affect the performance of APP Surfaceshield HD.
3. Ensure the surface is dry before applying APP Surfaceshield HD. The substrate pores need to be substantially dry and free of water to ensure maximum penetration and coating of APP Surfaceshield HD.

## Application Guide

### Application Method

**Mix thoroughly in container prior to use.**

Apply one or two layers of APP Surfaceshield HD to the surface being protected using low pressure spray. The amount of APP Surfaceshield HD required will vary in relation to the porosity of the surface being coated. Subsequent layers must be applied while the coating is still wet. Once allowed to dry no further material can be added. Refer to the recommended system guide for a rough indication of the spreading rates required for the surface to be protected.

**BRUSH/ROLLER:** Suitable for small areas only. Apply even coats of the material to the prepared surface.

**CONVENTIONAL SPRAY:** Apply in multiple wet coats overlapping each pass 50%.

**AIRLESS SPRAY:** Standard airless spray equipment. Tips between 0.17mm and 0.21mm are suggested to avoid excess material being applied. Avoid flooding the surface.

Conventional, airless spray or air assisted spray, using low pressure.

### Precautions

The Product Data Sheet should be used in conjunction with the relevant Coating Specification Guide. APP Surfaceshield HD is an industrial product designed for use by experienced Protective Coating applicators. Where conditions may require variation from the recommendations on this Product Data Sheet contact your nearest Dulux representative for advice prior to painting. Do not apply in conditions outside the parameters stated in this document without the express written consent of Dulux Australia. Do not apply at temperatures below 5°C. Where multiple passes are required the product must be applied wet on wet. Once it has dried additional coats can no longer be applied. Excessively rapid drying can limit the effectiveness of the product. Soft and easily damaged substrates, such as Limestone and some Sandstone, may require specialized preparation prior to treatment with APP Surfaceshield. Do not apply in conditions outside those recommended on this data sheet. Dulux cannot guarantee that every type of graffiti can be completely removed. Highest protection is achieved after 7 days of curing. Do not use this product for this application without reference to a Dulux Protective Coatings Specifications Consultant for specific advice.

## Health and Safety

### Storage

**Store in a well-ventilated area. Keep containers closed at all times.**

### Handling

**As with any chemical, ingestion, inhalation and prolonged or repeated skin contact should be avoided by good occupational work practice. Eye protection approved to AS1337 should be worn where there is a risk of splashes entering the eyes. Always wash hands before smoking, eating, drinking or using the toilet.**

### Using

**Use with good ventilation and avoid inhalation of spray mists and fumes**

### Flammability

**This product is non flammable.**

**In case of emergency, please call 1800 220 770.**

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Unless Dulux has provided you with a customised, project-specific specification, this Data Sheet does not represent that any particular product or product system will be suitable for your project.

Any information provided in this Data Sheet is given in good faith and is believed by Dulux to be correct at the time of publication. Products and coating systems can be expected to perform as indicated in this Data Sheet, provided the substrate is in good condition, the coatings are applied by a suitably experienced and skilled applicator, and the preparation, application and maintenance is followed strictly as set out in this Data Sheet, and as recommended on the applicable Safety Data Sheets for the relevant products, available from [www.duspecplus.com.au](http://www.duspecplus.com.au). Climatic conditions at application time can affect product suitability and performance.

The correct colour or colour match is the responsibility of the applicator. Colours will change over time and Dulux does not guarantee that the same colour newly mixed will match a colour applied earlier which has been subjected to weathering or other change elements. No product colour is guaranteed against colour change.

Where any liability of Dulux in respect of this Data Sheet cannot by law be excluded, Dulux's liability is limited, as permitted by law and at Dulux's option, to resupply of the relevant products or services or to reimbursing the cost of those products or services.

WHERE LEAD MAY BE PRESENT: The asset manager is responsible for verifying the presence of lead and determining whether to remove or encapsulate the lead. If lead is present, the work must be done in strict accordance with AS 4361 Parts 1 and 2 and Worksafe Australia guidelines.