



# Dustguard AS

## Dissipative Floor Coating

### DESCRIPTION

Dustguard AS is a brush or roller applied epoxy resin floor coating formulated from specially selected resins and conductive fillers. Dustguard AS produces a finish of high strength and durability and has excellent dissipative and abrasion resistance properties that are able to withstand aggressive environment.

### USES

Dustguard AS provides a dissipative, hard wearing, easily cleaned, low maintenance, attractive floor surface which is chemically resistant, impervious and seamless. Dustguard AS is suitable for use in areas where a conducting floor with a resistance of between  $5 \times 10^4$  and  $1 \times 10^6$  is required to control static electricity discharge. Dustguard AS floors are recommended for use in a wide range of industrial and commercial environments including laboratories, hospitals, electronic assembly areas, electronic storage areas, pharmaceutical plants, plant rooms, computer suites, production areas, workshops and static sensitive warehousing areas.

### ADVANTAGES

- **Dissipative** Avoids static discharge problems in static sensitive areas
- **Attractive** Available in a range of limited colours
- **Durable** Good abrasion resistance low maintenance costs
- **Hygienic** Impervious, dustfree, easy to clean
- **Chemically resistant** Good resistance to a wide range of industrial chemicals

### PHYSICAL PROPERTIES

|                              |                                 |
|------------------------------|---------------------------------|
| <b>Surface Resistivity</b>   | $5 \times 10^4 - 1 \times 10^6$ |
| <b>Specific gravity</b>      | 1.1                             |
| <b>Pot life</b>              | 2-3 hours                       |
| <b>Cure time</b>             | 7-8 hours                       |
| <b>Time between coats</b>    | 8-9 hours                       |
| <b>Initial hardness</b>      | 24 hours                        |
| <b>Open to light traffic</b> | 12 hours                        |

(Below 20°C these times will be increased)

### CHEMICAL RESISTANCE

Dustguard AS is resistant to a wide range of chemicals. Specific data is available on request from the Technical Services Department.

### COLOURS

Dustguard AS is available in a limited range of colours. For details refer to the Technical Services Department.

### TEMPERATURE

Dustguard AS should not be applied at temperatures below 13° C and above 40° C.

### INSTRUCTIONS FOR USE

#### **SURFACE PREPARATION**

It is essential that the substrate surfaces are correctly prepared prior to application. New concrete or cementitious substrates should have been placed for at least 28 days, unless specially water reduced and give a protimeter reading of less than 75% RH.

Conren WD Aquatect can be used for situations where the relative humidity is above 75% RH. All substrates should be sound and free from contamination. New or old floors should be prepared by vacuum blasting, grinding or light scabbling. Ensure that all substrates are free from rising damp. For the best results, all cracks, holes or damage to the subfloor should be repaired with Conren Patchfast epoxy resin mortar and be allowed to cure.

## SYSTEM APPLICATION

**Priming** – Prepared substrates to be topped with Dustguard AS should be primed with one coat of Aquasol Dissipative Primer. Aquasol Dissipative Primer is a two component system supplied in pre-weighed units ready to mix on site. Mixing is made easier by using an electric drill with a mixer paddle. Pour the entire contents of the hardener container into the base container and mix to an even consistency. When thoroughly mixed (after approximately 5 minutes) it should be allowed to stand for 5 minutes before use. Aquasol Dissipative Primer has a usable life of 2-3 hours after mixing, depending on temperature. Application is by brush or roller.

**Mixing** – Dustguard AS is supplied as a two pack pre-weighed system ready for use on site. Thorough mixing is essential and a drill and paddle type mixer is recommended. Add the entire hardener unit to the base unit and mix for 2-3 minutes using a slow speed drill, fitted with a suitable paddle, until homogeneous.

**Application** – Once mixed Dustguard AS should be applied immediately and application should be complete within 2 hours. If the application is likely to be slow use a smaller unit size. The working life of Dustguard AS can be extended by pouring the mixed material into a tray. Application is by paintbrush or lambswool roller. The use of a large roller speeds up application and improves covering. When applying the second coat ensure that the first coat has become dry to the touch.

**Expansion joints** - Expansion joints in the substrate should be maintained in the Dustguard AS finish.

### Coverage and Pack Sizes

| Pack Size (kg) | Product                    | Approx Coverage per Coat |
|----------------|----------------------------|--------------------------|
| 4.5kg          | Dustguard AS               | 427-36 m <sup>2</sup>    |
| 6kg            | Aquasol Dissipative Primer | 36-48 m <sup>2</sup>     |
| 9kg            | Dustguard AS               | 54-72m <sup>2</sup>      |
| 10kg           | Aquasol Dissipative Primer | 60-80m <sup>2</sup>      |

## DISPOSAL

All tools and equipment should be cleaned with Conren solvent cleaner immediately after use. Spillage should be absorbed with sand or sawdust and disposed of in accordance with statutory regulations.

## STORAGE

Shelf life at least 12 months if stored in original containers between 10° C and 25° C

## PRECAUTIONS

For further information on our precautions please see the MSDS.

### Technical Service and Quality Assurance

All information provided in this leaflet is based on results obtained from our own experience and testing which is given in good faith. The information is provided without guarantee as the user will be deemed to have satisfied themselves independently of the suitability of Conren's product for their own particular purpose. Conren Limited cannot be held responsible for any errors as a result of any incorrect information being provided.



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