



# Levelay Antistat

## Heavy Duty Antistatic Flooring System

### DESCRIPTION

Levelay Antistat is a flow applied epoxy resin flooring composition formulated from specially selected resins, aggregates and conductive fillers. Levelay Antistat produces a finish of high strength and durability with excellent antistatic, abrasion and impact resistance able to withstand aggressive environments.

### USES

Levelay Antistat standard grade is suitable for use in areas where a conducting floor with a resistance between  $5 \times 10^4$  ohms and  $2 \times 10^6$  ohms is required to control static electricity discharge. Levelay Antistat 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

- **Antistatic** Avoids static discharge problems in static sensitive areas
- **Attractive** Available in a range of colours
- **Durable** Good abrasion resistance low maintenance
- **Hygienic** Impervious, dustfree, easy to clean
- **Chemically resistant** Good resistance to a wide range of industrial chemicals
- **Non-slip** By incorporating specially graded stop-slip aggregates

### PHYSICAL PROPERTIES

- **Specific gravity** 2.0
- **Volume Solids (mixed)** 99%
- **Surface Resistivity**  $5 \times 10^4$  ohms -  $2 \times 10^6$  ohms
- **Viscosity of Levelay @ 23°C** 30 Poises
- **Full Cure** 7 days
- **Pot Life** 30 Minutes
- **Initial Hardness** 12 hours
- **Open to Light Traffic** 24 hours

(Below 20°C these times will be increased)

**Complies with anti-static requirements for BS2050**

### CHEMICAL RESISTANCE

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

### COLOURS

Levelay Antistat is available in a range of colours. For details refer to colour chart.

### TEMPERATURE

Levelay Antistat 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 Levelay Antistat should be primed with one coat of Aquasol Antistat primer. Aquasol Antistat primer is a two component system supplied in pre-weighed units ready to mix on site. Pour the entire contents of the hardener container into the base container and mix to an even consistency. Application is by brush or roller. **Conductivity strips** – Conductive copper tape should be fixed across the primed substrate. A grid should be produced at 1m centres with a perimeter tape inset at 0.25m from the outside edge of the proposed installation. The perimeter tape should overlap the transverse tapes. Earthing points should be provided at maximum intervals of 8m along the perimeter of the wall and should consist of 150mm square copper plates set into the substrate, with provision for connection to an earthing cable to an established ground. The tape should be applied over the top surface of the earthing point. A further coat of Aquasol Antistat primer should then be applied to the top surface of the tape and remaining visible substrate.

Levelay Antistat - Is supplied in pre-weighed units ready to mix on site. Mechanical mixing is essential and a drill and paddle type mixer is recommended. Add the entire contents of the hardener container to the base container and mix for 3-4 mins. The Levelay Antistat should be poured onto the primed substrate and spread uniformly to the required thickness using a serrated steel trowel. The Levelay Antistat should be rolled with a spiked nylon roller after application, to aid the release of any trapped air and to assist in leveling any slight trowel marks. A broadcast of anti-slip aggregate is applied to the uncured Levelay Antistat after about 30-45 mins. This application is governed by the cure rate of Levelay Antistat and a trial should proceed the application to check the timing. Spike shoes are required to gain access over the uncured Levelay Antistat floor to assist in the anti-slip application. **Expansion joints** - Expansion joints in the substrate should be maintained in the Levelay Antistat topping.

### **COVERAGE & PACKSIZES**

| <u>Pack size - kg</u> | <u>Product</u>          | <u>Approx. Coverage per Coat</u> |
|-----------------------|-------------------------|----------------------------------|
| 10kg                  | Aquasol Antistat Primer | 60-80 m <sup>2</sup>             |
| 22kg                  | Levelay Antistat        | 5.5 m <sup>2</sup> @ 2mm         |

### **CLEANING**

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

### **STORAGE**

Levelay Antistat has a shelf life of 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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