AREAS OF APPLICATION

* AIRCRAFT HANGARS
* MILITARY INSTALLATIONS
* MAINTENANCE WORKSHOPS
* LABORATORIES
* RESEARCH CENTRES
* FLAMMABLE STORAGE AREAS
* DATA CENTRES
* CLEAN ROOMS
* EXPLOSION PROOF ZONES

Specification requirements

A conductive ESD or Anti-Static flooring system that is attractive, hard wearing, fully trafficable and resistant to liquid spills, oils, aviation fuel and solvents. Must be able to handle heavy aircraft and regular vehicular traffic.Can be made anti-slip with a variety of surface textures to conform to industry standards.

For UV resistance we suggest the use of a suitable UV stable top-coat.

Available in a wide variety of colours. Choose from either AS (Australian Standards) or RAL colours.

System – AERO-TUFF CONDUCTIVE

* LEVELLING – conductive systems require an even substrate to ensure a consistent application thickness and uniform conductivity. Repairing and re-surfacing uneven substrates may be necessary prior to the installation of the conductive system. Suitable products include our Hychem GP or E300SL epoxies or possibly cement based products from our Velosit range of engineered levelling compounds.
* PRIMER – after preparation prime the surface using Hychem E100 or GP epoxy. Apply either by roller or trowel to ensure the surface is completely sealed.
* EARTHING POINTS – install the required number of earthing points at suitable locations.
* CONDUCTIVE PRIMER – apply the conductive primer
* CONDUCTIVE LAYER – install the conductive layer at the required thickness. For ESD protection we recommend our Hychem Viasol Universal ESD system and for Anti-Static protection we recommend our Hychem Viasol Universal Voltex system. Other systems are available upon request.
* UV STABLE, ANTI-SLIP TOPCOAT – if required apply by roller one of our suitable UV stable pigmented coatings to provide the required conductive performance & slip-resistance.

Preparation – industry standards

It is important that all new or old concrete surfaces are thoroughly prepared before the application of any coating system. It is highly recommended that any surface preparation is carried out in accordance with industry standards and publications such as NACE 02203 item No. 22420 or ICRI Technical Guideline No. 03732.

Product application – various

Application techniques vary depending on the product being applied and the film thickness of the system.

Sealers and coatings are normally either spray or roller applied whilst high build 1mm+ topping systems are usually applied by a combination of roller and trowel.

**Product & system selection**

Refer to each specific Hychem technical data sheet for more detailed information regarding the application of individual products or systems.

Hychem floors can be cleaned using a mechanical scrubbing machine or similar using alkaline based cleaning agents for best results. All floors should be thoroughly rinsed with clean water following this procedure.

Hychem offer a full system specifications service upon request.

Full product warranties can be provided by Hychem where required provided that suitable specifications are followed.