



Technical Data Sheet

ChemTools ESD Floor Coating

Description:

ChemTools Anti Static Floor Coating is a very durable, hard wearing Sealer designed for electronic production & research areas, computer rooms etc. in fact in any area that static discharge is a problem. The formulation incorporates static dissipative properties to provide protection for electronic equipment and provides a very durable gloss floor coating that out performs most ESD products in durability on the market today.

Function:

ChemTools Anti Static Floor Neutraliser is part of the ChemTools Anti Static Floor Care System consisting of (in sequence of application):

- ChemTools Anti Static Floor Stripper
- ChemTools Anti Static Floor Neutraliser & Cleaner
- ChemTools Anti Static Floor Coating
- ChemTools Anti Static Floor Treatment & Maintenance

ChemTools Anti Static Floor Coating chemistry has been formulated to work in conjunction with ChemTools' Floor Stripper and Neutraliser. To be maintained by ChemTools Floor Treatment & Maintenance solution. ChemTools Anti Static Floor Coating contains non-migrating, static dissipation materials that will provide a dissipative surface resistance of 10^7 to 10^{11} ohms throughout the humidity spectrum. Its polyurethane base offers superior cross linking, hence it provides a durable, hard wearing and crack resistant surface for trolley wheels and high traffic areas. Should provide service for 2-3 times longer than most anti-static coatings!

Features:

- Very Durable.
- Zinc Free formulation.
- High Gloss with dissipative properties.
- Crack resistant.
- Developed for high traffic ESD areas.
- Can be applied via mop or automatic equipment.
- Low foam formulation ideal for automatic scrubbers.
- Low maintenance, Slip resistant.

Application:

For new floors it is essential to have stripped off all factory finish release agents, or any existing floor sealer on existing surfaces. Improper floor preparation can result in poor static dissipative performance, dramatically reduce gloss and wear resistance, and poor adhesion of coating.



Technical Data Sheet

Applying 1st Coat of ChemTools Anti Static Floor Coating

After stripping off the old coating and neutralising the surface, you can now proceed to apply the ChemTools Anti Static Floor Coating. Use a polyester cotton mop, it should be loaded but not dripping. Apply the 1st coat evenly in a figure eight pattern ensuring a wet edge is kept to adjoining areas.

To applying 2nd and subsequent coatings

Allow a minimum of 20 minutes between coats and test for dryness prior to recoating. High humidity may extend drying periods. Depending on gloss and wear resistance 2 to 5 coats will be required. Use a drier mop on subsequent coats.

How to Bring Floors to Life

- *Light Cutback*

Use ChemTools Anti Static Floor Neutraliser diluted 1 part to 50 parts water. Wet apply to stop the floor drying while scrubbing. Autoscrub or machine scrub using a blue scrubbing pad. Damp mop rinse with cold water to remove soil slurry. Allow floor to dry thoroughly prior to dust mopping and dry burnishing with a red or tan pad or bassine brush on uneven surfaces.

- *Heavy Cutback/Re-coat*

Use ChemTools Anti Static Floor Neutraliser apply 1 part to 25 parts water. Use a blue or green pad and scrub the floor in a left to right ark. Use a wet mop rinse with cold water to remove scrubber residue using clean water in the bucket every 20m². Allow the floor to dry thoroughly and dust mop prior to dry furnishing with red pad (approx. 15 minutes) prior to recoating as described above.

- *Dry Stripping - Small Areas*

To cut time in small awkward areas like dense funnel areas of foot traffic, eg. electronic production floor passages, supermarket check-outs, tearooms. Dry stripping using ChemTools Floor Stripper 1 to 10 parts cold water and brown pad. Just spray lightly, wait 5 minutes then dry pad off. Dust mop prior coating.

- *Total Stripping - No Scrub Method - Larger Areas*

Flood mop, apply stripper with a cotton or fringe mop using ChemTools Floor Stripper 1 part to 4 parts cold water. Allow up to 15 minutes for activation / penetration. Reapply if drying too fast. Wring out stripping mop, mop off sealer build up into stripper solution bucket. Push the mop ferrule heavily onto the floor to dislodge the existing finish. Particularly required for edges (an alternative is a doodlebug & black pad). Dust mop then dry burnish the floor as described above. When fully dry - recoat as above.

N.B. ChemTools Floor Stripper is a near neutral pH product with new technology penetrating agents. This technology provides a 'No scrub' water 'Rinse free' application- a huge time and labour saver.

- *New Floors - Remove Factory Coating*

Flood mop with ChemTools Floor Stripper, 1 part to 4 parts water. Allow to penetrate the factory protective coating. After 10 minutes mop off stripper residue with a well rung out stripping mop, there is no need to rinse or use hot water. Machine burnish when dry with new Tan red pad (400RPM). (Use Jackeroo pad or Jackeroo light pad

ChemTools Pty Ltd –PO Box 4319 – Penrith NSW 2750

ABN 12 114 400 083

Ph 02 4735 3126 – Fax 02 4735 3746

info@chemtools.com.au – www.chemtools.com.au



Technical Data Sheet

if machine is 1500RPM+), or use a new or clean brush, this helps gloss the floor and removes any adhering or seal “bits” of dirt prior to recoating.

Normal day to day Maintenance of floor

Refer to TDS on use of ChemTools Anti static Floor Treatment & Maintenance product to maintain the high gloss and performance of your ESD Coating.

Safety:

- If product enters eyes – flush with copious amounts of water for at least 10 minutes - if problem still persists, seek medical assistance.
- If the material comes into contact with the skin, the affected area should be washed with soap and water.
- Spillage of the material should be mopped up with sand or sawdust.
- Dispose of waste material in accordance to local or national regulations.
- Dispose of empty can in recycle facilities.
- Clean equipment in accordance to equipment manufacturers instructions
- Wash Hands with soap and water after use.

Storage:

Store in a cool, dry place, out of the reach of children, in original containers, at a room temperature between 5°C to 30°C. Please do not return any used material to its original container.

Disposal:

All products should be disposed of in accordance with local regulations.

PRECAUTIONS: This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the material.

Warranty: All products purchased from or supplied by ChemTools are subject to terms and conditions set out in the contract. ChemTools warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by ChemTools is consider accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. ChemTools makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.