



## Statguard® Carpet Protector Application Instructions



Figure 1. Statguard® Carpet Protector 70995 1 litre trigger spray ready to use for dry application  
70996 3.8 litres concentrate

### Description

Statguard® Carpet Protector is specifically formulated to provide carpeting or fabric with static control properties and to protect from wet and dry soil. Statguard® Carpet Protector is a water-based protective treatment that forms an invisible shield around each fiber, which resists soil, stains, static, and static charge build-up and keeps clean carpets looking cleaner longer.

Statguard® Carpet Protector has been formulated to control the generation and build up of static charges on carpeting. Carpeting is known to generate upwards of 30,000 volts of static charges as people or objects travel across it. These levels of charges can be harmful to static sensitive devices. ESD events due to these voltages can cause a spark that may be uncomfortable for workers and harmful to sensitive components. Once applied to the carpeting, Statguard® Carpet Protector can reduce and may eliminate static charges by preventing them from accumulating.

### General Guidelines

Statguard® Carpet Protector is the finest carpet protector available. Proper application of the Statguard® Carpet Protector will provide resistance to most stains and soils, while protecting the carpet from generating static charges.

Statguard® Carpet Protector can be applied to fabric chairs, carpet and other fiber materials in which you want to control the generation of static charges. We recommend that you always test a small area first to see that the fiber material is compatible and will receive the Statguard® Carpet Protector. Treated areas will need to be retreated as the Statguard® Carpet Protector is worn away. We recommend that the Statguard® Carpet Protector be reapplied when the electrical reading goes above  $10^9$  ohms.

Prior to applying the Statguard® Carpet Protector, make sure the material to be treated is clean and free of dirt, dust, and general grime.

It is important to apply Statguard® Carpet Protector when there is little to no traffic on the applied material, as it needs to dry thoroughly before use.

The Statguard® Carpet Protector Material Safety Data Sheet (MSDS), found on pages 3 and 4, should be thoroughly reviewed prior to handling or applying any of the Statguard® Carpet Protector.

### Carpet Preparation

Only clean carpet or fabric should be treated with carpet protectors.

1. Vacuum the carpet to remove all loose soil.
2. Remove spots by your preferred professional method.
3. Thoroughly clean the carpet using the hot water (steam extraction) method (not necessary for new carpet).

Note: Shampooing can leave detergent on the carpet, which greatly accelerates resoiling and can reduce the electrical performance of Statguard® Carpet Protector. Therefore, when shampooing is required, it should be followed with hot water extraction to remove excess shampoo.

It is neither necessary nor desirable to remove any fluorochemical finish from carpet that has been treated previously.

### Preparation of (Concentrate) Spray Mix

1. Measure the area to be treated to determine the amount of spray mix required.
2. Prepare the spray mix, making sure to add the proper amount of water to the concentrate. Choose from either damp or dry carpet below.

- For damp, clean carpet after steam cleaning
  - Mix 5 parts water + 1 part Statguard® Carpet Protector concentrate
  - One litre of diluted Statguard® Carpet Protector will treat 5 m<sup>2</sup> of carpet.
- Dry carpet. If the carpet to be treated is dry, then the water ratio added increases. This ensures uniform wetting and application.
  - Mix 11 parts water + 1 part Statguard® Carpet Protector concentrate.
  - For dry carpet, one litre of diluted spray mix will treat 2.5 m<sup>2</sup> of dry carpet.

### Carpeting Application

Apply to carpet in a well vented area, use mechanical ventilation if needed. Hold the spray nozzle 30.5 to 45.7 cm from the carpet and apply half the prepared spray mix over the entire carpet area, spraying in a left to right direction. Then apply the other half over the entire carpet area by spraying perpendicular, or top to bottom, to initial direction.

- Be certain to maintain enough spray pressure to ensure a uniform spray pattern. Keep spray nozzle clean.
- If the pump tank is fitted with a pressure gauge, do not allow the pressure to drop below .015 Kg/m<sup>2</sup>.



Figure 2. Compressed air sprayer in use.

Note: It is extremely important to obtain uniform coverage. Uneven application may result in uneven soil protection.

- To obtain the best performance from Statguard® Carpet Protector, work the product into the carpet immediately after spraying.

- Use a pile brush on pile-type constructions.
- Use a shag rake for open shag construct.

- Allow the carpet to dry. The soil and stain protection of Statguard® Carpet Protector will be fully effective when the carpet is completely dry.

## Chair/Fabric Application

For chair application, it is recommended to spray-apply the Statguard® Carpet Protector using the ready-to-use spray quart bottle. Spray entire area needing protection with a medium mist spray, at the rate of one litre for every 2.5 square metres of fabric.

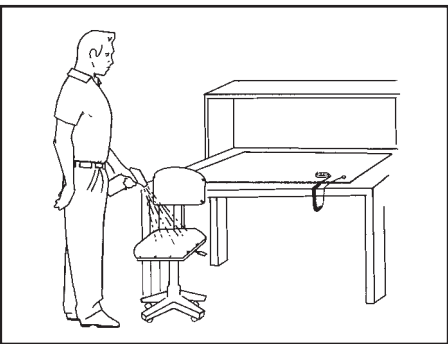


Figure 3. Statguard® Carpet Protector application.

## DRY TIME

Let each application dry for 2 hours or until dry to the touch, with no traffic. It is suggested that application be done after people leave for the day or during evening maintenance.

## Clean Up

- Rinse the spray tank, hose, and spray nozzle thoroughly with fresh water after each use.
- Use fresh water to clean up any accidentally spilled spray mix.
- Any over-spray should be removed while still wet with a water-dampened cloth. Any dried over-spray will be more difficult, if not impossible, to remove.
- Wash hands thoroughly when finished.

## Specifications

Appearance of solution:	opaque
PH:	7-9
Odor:	polymer
Solubility:	water 100%

## Electrical Properties (Dry Film)

Resistance point to point (RTT):  
10<sup>5</sup> to 10<sup>9</sup> ohms per ESD S4.1

Static Decay Rate:  
5000 volts to zero in 0.01 seconds per  
FTMS 101C Method 4046

## Testing

It is recommended to test the surface resistance periodically to ensure that insulative contaminants such as dirt and grime are not building up on the surface. The surface should be kept clean. Testing either point to point resistance (Rp) or resistance to ground (Rg) will indicate if the Statguard® Carpet Protector needs surface maintenance. If the surface is clean, with high resistance readings, the Statguard® Carpet Protector is becoming thin and in need of replenishing its solids. These solids are worn away over time due to floor traffic. High floor traffic areas will need more frequent maintenance than low traffic areas. We recommend that the Statguard® Carpet Protector be reapplied when the electrical reading goes above 10<sup>9</sup> ohms.

**NOTE:** Statguard® Carpet Protector does not have a set life span. The chemicals are not known to degrade over time when stored at the proper temperature conditions as stated in the Material Safety Data Sheet. We also recommend that the product be stored in its original container and be sealed when not in use.

## Limited Warranty

Charleswater expressly warrants that for a period of one (1) year from the date of purchase, Statguard® Carpet Protector will be free of defects in material. Within the warranty period, the material will be replaced at Charleswater's option, free of charge. Call Customer Service at 00 44 (0) 1892-665313 for a Return Material Authorisation (RMA) and for proper shipping instructions and address. You should include a copy of your original packing slip, invoice, or other proof of purchase date. Any material under warranty should be shipped prepaid to the Charleswater factory. Warranty replacements will take approximately two weeks.

## Warranty Exclusions

THE FOREGOING EXPRESS WARRANTY IS MADE IN LIEU OF ALL OTHER PRODUCT WARRANTIES, EXPRESSED AND IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH ARE SPECIFICALLY DISCLAIMED. The express warranty will not apply to defects or damage due to accidents, neglect, misuse, alterations, operator error, or failure to properly maintain, clean or repair products.

## Limit of Liability

In no event will Charleswater or any seller be responsible or liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, users shall determine the suitability of the product for their intended use, and users assume all risk and liability whatsoever in connection therewith.

Date: June 1, 2002

**STATGUARD® DISSIPATIVE CARPET PROTECTOR****1. IDENTIFICATION OF SUBSTANCE/PREPARATION and COMPANY**

Chemical name: Dissipative Carpet Protector CONCENTRATE

<b>Manufacturer</b>	Desco Industries, Inc. 90 Hudson Road Canton, MA 02021 U.S.A.	Charleswater Unit 17. Millbrook Business Park, Sybron Way Crowborough, East Sussex TN 3JZ United Kingdom
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<b>Emergency</b>	Phone: (781) 821-8370 Fax: (781) 575-0172	Phone: 00 44 (0) 1892-665313 Fax: 00 44 (0) 1892-668838
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**2. INFORMATION ON INGREDIENTS/COMPOSITION**

Ingredients	Weight	CAS-No.	TLV-value	R-Phrases
Water	60-100	7732-18-5	NE	none
Acrylic Polymer	5-25	not hazardous	None	20
Polymethylmethacrylate	5-25	9011-14-7	NE	none
Trade Secret #00203MA102	5-25	not hazardous	NE	20
Trade Secret #00204MA103	5-25	not hazardous	NE	20

None of the components of this product are on the SARA Title Section 313 Inventory

**3. HAZARDS IDENTIFICATION**

Eyes	A high concentration of liquid, mist or vapour may cause irritation, tearing or blurred vision.
Skin	Repeated or continuous contact may cause irritation of the skin.
Ingestion	May cause nausea and vomiting.
Inhalation	Irritation of nose, throat and lungs. Exposure to vapours in high concentration may cause shortness of breath.

**4. FIRST AID MEASURES**

Eye Contact	Flush with water for at least 15 minutes. Contact a physician if irritation persists.
Skin Contact	Wash with soap and water. Wash clothing before reuse. Contact a physician if irritation persists.
Ingestion	Drink several glasses of water. DO NOT induce vomiting. Contact a physician.
Inhalation	Move subject to fresh air. Contact a physician if irritation persists.

**5. EXTINGUISHING MEASURES**

Proper Extinguishing Media	Foam, CO <sub>2</sub> , dry chemical, and water
Protective Clothing	Wearing an appropriate protective equipment and self-contained breathing apparatus.

**6. MEASURES TO EXPOSURE OF PRODUCT**

Personal Precautions	Wearing protective clothing and eyewear. Only use with adequate ventilation.
Environmental Precautions	Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.
Cleaning Procedures	Absorb with sand, sawdust or other diminishing material. Shovel or sweep up. Transfer or pump into a suitable container. Dispose in accordance with Federal, state/provincial, and local regulations.

**7. HANDLING AND STORAGE**

Handling	Avoid contact with eyes, skin and clothing. Do not breathe in dust or particles. Use with adequate ventilation. Wear protective eyewear and gloves. Wash thoroughly after handling.
Storage	Store above 40°C to prevent freezing. Warm to melt. Keep away from strong acids. The maximum recommended storage temperature is 120°C. Keep away from strong heat sources. Keep container tightly closed.

**8. EXPOSURE CONTROL/PERSONAL EXPOSURE**

Control Parameters	None
Other Regulations	None
Measures For Technical Control	Preferences of technical measure to prevent or control contact with the product. Isolating process and personnel, mechanical ventilation (dilution and local exhaust) and the regulation of process conditions. In case of non-prevention or non-control, proper protective wearing should be used.
Respiratory Protection	Use with local exhaust. Where no exhaust is available, wear MSHA/NIOSH approved respirator when exposure limits are exceeded. Air purifying masks should be equipped with an ammonia/methylamine cartridge when used.
Hand Protection	Impervious/Neoprene Gloves
Eye Protection	Chemical Splash Goggles (ANSI Z-87.1).
Other Protective Equipment	Eyewash station, safety shower and appropriate clothing.
Work/Hygienic Practices	Wash hands thoroughly after use.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Colour	Opaque, white liquid
Smell	Light fresh scent
pH	8.0 - 9.0
Boiling Point at °C	>200°F (100°C)
Melting Point at °C	N/A
Flash Point at °C	Noncombustible
Inflammability Limits (vol.% in air)	N/A
Solubility in water	Complete
Vapour Pressure (mmHG)	NA
Vapour Density (air = 1)	NA
Density at 20°C	NA
Specific Gravity (H2O = 1)	1.01
Inflammability	Classification according to EC-regulations "non-flammable".
Ignition Temperature	NA
Evaporation Rate	NA

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## 10. STABILITY AND REACTIVITY

Stability/Reactivity	Stable product at normal conditions.
Conditions to avoid	Temperatures above 49°C/120°F and below 1°C/34°F.
Materials to avoid	Incompatible with strong acids and alkalies.
Hazardous Decomposition	Thermal decomposition may yield acrylic monomers.

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## 11. TOXICOLOGICAL INFORMATION

Acute toxicity	No data available on the product
Special Effects	None known

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## 12. ECOLOGICAL INFORMATION

No environmental hazards have been reported or known.

Mobility	The product is aqueous and will be separated in aqueous conditions.
Degradability	NA
Bioaccumulation	Not likely
Ecotoxicity	None known
Reference to BimSchV	NA
Hazard Classification	None Hazardous

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## 13. DISPOSAL CONSIDERATIONS

Product	Ensure the disposal in accordance with local authorities.
Hazardous Waste Number	Nonregulated

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## 14. TRANSPORT INFORMATION

This product is not flammable or sensitive to shock. Transport according to local regulations.

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## 15. REGULATORY INFORMATION

Physical/Chemical Indication	Non-flammable
Risk-phrase	(R22): Harmful if swallowed.
Safety Phrase	(S2): keep away from children, (S7): keep containers well closed, (S24/25): avoid contact with skin and eyes, (S62): if swallowed, DO NOT induce vomiting; seek medical advice immediately and show this container or label.
EU Classification (67/548/EEC-88/379/EEC)	This product does not have to be classified according to the EU Regulations.

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## 16. OTHER INFORMATION

Further Information	None
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### Disclaimer

*The information given in this publication has been worked up to the best of the knowledge of Charleswater, as well as taking into consideration the applicable laws and regulations. We cannot anticipate all conditions under which this information and our products or the products of the manufacturers in combination with our products may be used. We accept no responsibility for the results obtained by the application information or the safety and suitability of our product or combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and buyers and end users assume responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.*