



Black

Disclaimer:

All statements, technical data, and recommendations contained herein are based upon tests we believe to be reliable. However, the accuracy or completeness thereof is not guaranteed. The proper and correct applications of products and data is the responsibility of the user. Statements or recommendations not contained herein shall have no force or effect unless embodied in a written agreement signed by authorized officers of Desco Industries, Inc.

Limited Lifetime Warranty:

Desco warrants for one year that Statfree® matting products will be free of defects in materials and workmanship and will guarantee dissipative/conductive mat properties for the life of the mat. Damage to matting caused by misuse of any kind, including using inappropriate cleaners is not covered by Desco Limited Warranty.

RoHS 2, REACH, and Conflict Mineral Statement

None of the RoHS 2 restricted materials or REACH substances of very high concern as of 2014/06/16, or Conflict Minerals are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. See Desco Limited Warranty at Desco.com.

Tolerances:

Width $\pm 0.250"$
Length $\pm 0.250"$ every 1 linear foot of running material.

Description:

Desco's Statfree® CV280 conductive vinyl mat is a 0.080" thick polymer matrix of PVC material. It is designed to provide a flooring surface that does not generate a static charge and will act as part of the path to ground for an operator wearing ESD footwear. When properly grounded, the resistance range ($< 1 \times 10^6$ ohms Rtt) will remain low enough to act as a path to ground with normal dirt and grim build up on a floor and meet the flooring required limit of ANSI/ESD S20.20 (1×10^9 ohms) tested per ANSI/ESD STM7.1 and ESD TR53. It is a suitable ESD flooring component in a Footwear / Flooring System meeting the ANSI/ESD S20.20 Footwear / Flooring requirements of $< 3.5 \times 10^7$ ohms per ANSI/ESD STM97.1 and < 100 volts per ANSI/ESD STM97.2. Statfree® CV280 is a hard flat mat designed for high traffic areas and is good for use under chairs and carts. To protect ESD floor tiles or minimize maintenance of ESD floor finish in high traffic areas, Statfree® CV280 can be used in conjunction with existing ESD flooring. The edges of the mat will not fold or bend. Each mat is lot coded for quality control and lifespan tracking.



Made in the
United States of America

Electrical Properties:

| Property | Test Method | Value |
|-----------------|----------------------------|------------------------|
| Rtg Resistance: | ANSI/ESD STM7.1 & ESD TR53 | $< 1 \times 10^6$ ohms |
| Rtt Resistance: | ANSI/ESD STM7.1 & ESD TR53 | $< 1 \times 10^6$ ohms |

Physical Properties:

| | |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Thickness: | 0.080" |
| Color*: | Black |
| Texture*: | Pebble Embossed one side |
| Tensile Strength (lb/in ²): | 450 minimum |
| Tear Strength (lb/in): | 75 minimum |
| Coefficient of Friction: | 0.36 |
| Durometer Hardness: | |
| Shore "A" | 80 \pm 5 |
| Chemical Resistance: | Resistance to degradation by inorganic acids, organic acids, reducing agents, aliphatic hydrocarbons, mineral oil, aldehydes, and amines |
| Continuous Operating: | -20 °F to +200 °F |
| Flammability: | Passes FMV302 |

*Color and texture may vary between lots and mills

Grounding: This material must be properly grounded for optimum electrical performance. Ask for Technical Bulletin [TB-2000](#) for mat grounding instructions. Part numbers [15007](#) & [15008](#) include [14234](#) Grounding Kit

Cleaning: For optimum performance, periodic cleaning is required following manufacturer's recommendations. Reztore™ Surface & Mat Cleaner or equivalent is recommended to clean and maintain your mat. See Tech Bulletin [TB-3057](#) for Statguard® Floor Mat Cleaner Application Instructions. See [TB-2000](#) for guidelines regarding the maintenance and cleaning of ESD Mats.

Floor Mat Kit Item Numbers

| Item | Size |
|-----------------------|-----------|
| 15013 | 36" x 48" |
| 15014 | 48" x 72" |

Roll Material Item Numbers

| Item | Size |
|-----------------------|-----------|
| 15011 | 48" x 40' |
| 15012 | 48" x 60' |

MAT TOP KIT INCLUDES

- 1 Floor Mat, size as specified
- 1 [14234](#) Grounding Kit
- 1 Sample (4oz) of [Statguard Floor Mat Cleaner](#)

Specifications and procedures subject to change without notice.

STATFREE® CV280 ROLLS AND MATS

DESCO

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**Drawing
Number**
PM-130

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