



## Maelstrom #04849

## Product Specification

| Face Construction             | Imperial                                               |             | Metric       |             |
|-------------------------------|--------------------------------------------------------|-------------|--------------|-------------|
| Construction                  | Stratatec® Patterned Loop                              |             |              |             |
| Face Weight                   | 18                                                     | oz/sq yd    | 610.2        | g/sq m      |
| Gauge                         | 5/64                                                   |             | 50.4         | rows/10 cm  |
| Stitches per Inch             | 9.6                                                    |             | 37.8         | pu/10 cm    |
| Tuft Density                  | 122.88                                                 | tufts/sq in | 19.0         | tufts/sq cm |
| Pile Height Average           | 0.187                                                  | inch        | 4.7          | mm          |
| Pile Thickness                | 0.086                                                  | inch        | 2.2          | mm          |
| Pile Density                  | 7,535                                                  | oz/cu yd    | 278.8        | kg/cu m     |
| Fiber System                  | Dynex SD® Nylon (Permanent Stain Resistance)           |             | Kilotex 11.0 |             |
| Dye Method                    | 100% Solution Dyed                                     |             |              |             |
| Fluorine-Free Soil Protection | Eco-Ensure (Cradle to Cradle™ v3.1 Certified Platinum) |             |              |             |
| Primary Tufting Substrate     | Synthetic Non-Woven                                    |             |              |             |
| Pattern Match                 | Not Required                                           |             |              |             |

### Third Party Environmental Certifications

| Product                                   | Recycled Content |              | Green Label    | NSF 140       | Cradle to Cradle                                                                    |
|-------------------------------------------|------------------|--------------|----------------|---------------|-------------------------------------------------------------------------------------|
|                                           | Overall          | Postconsumer | Plus Certified | SCS Certified | Certified™ v3.1                                                                     |
| ethos® Modular with Omniccoat Technology® | 56 - 79%         | 30%          | GLP8320        | Gold          | Silver                                                                              |
| Flex-Aire Modular® Cushion                | 28 - 46%         | 22%          | GLP6558        | Gold          |  |
| Powerbond® Cushion                        | 15 - 42%         | 8%           | GLP9744        | Gold          |                                                                                     |
| Powerbond® Medfloor®                      | 15 - 42%         | 8%           | GLP9744        |               |                                                                                     |

Powerbond® Cushion RS® CERTIFIED asthma & allergy friendly®



### Product Testing/Information

|                          |                                                                                |
|--------------------------|--------------------------------------------------------------------------------|
| Antimicrobial Chemicals  | No antimicrobials (EPA Registered pesticides) added to product (ASTM E2471-05) |
| Electrostatic Propensity | ≤3.0 kV (AATCC 134); Permanent Conductive Fiber                                |
| Surface Flammability     | Passes CPSC FF 1-70 (ASTM D-2859)                                              |
| Flooring Radiant Panel   | Class 1 (mean average CRF: 0.45 w/sq cm or higher) (ASTM E-648)                |
| Smoke Generation         | Less than 450 (ASTM E-662)                                                     |
| Colorfastness to Light   | ≥ 4 after 100 hours (AATCC 16E)                                                |
| Soil Protection          | Application Rate: 2% of Face Weight                                            |
| Stain Resistance         | ≥ 8 (AATCC 175-08 Stain Resistance Pile Floor Coverings)                       |

### Installation Methods

|                     |                                                  |
|---------------------|--------------------------------------------------|
| Peel and Stick      | RS Adhesive System - Full Coverage Peel & Stick  |
| Wet Spread          | Backing specific Tarkett Adhesives               |
| Installation Method | 24" x 24" Vertical Ashlar; 18" x 36" Herringbone |

### Product Notes

- Specifications are subject to nominal manufacturing variances. Material supply and/or manufacturing processes may necessitate changes without notice. Colors may vary slightly from dye lot to dye lot.
- U.S. Patent numbers: 4,849,267; 6,406,574, US 9,988,760 B2
- Chair pads are recommended for optimum textural performance. Absent the use of chair pads, more intensive maintenance will be required for areas in direct contact with chair caster traffic, and some degree of appearance change is to be expected.

### Tarkett North America

Technical Services Department  
1104 Willowdale Road NW  
Dalton, GA 30721  
800.248.2878

[www.tarkett.com](http://www.tarkett.com)

**Warranty: Lifetime limited warranty against excessive surface wear, static, delamination, edge ravel, zippering, backing resiliency loss & stain resistance.**

#### ethos® Modular with Omnicoat Technology®

|                                |                                 |                            |        |         |  |
|--------------------------------|---------------------------------|----------------------------|--------|---------|--|
| Total Minimum Recycled Content | 67.7%                           |                            |        |         |  |
| Pre-Consumer                   | 34.7%                           |                            |        |         |  |
| Postconsumer                   | 33.0%                           |                            |        |         |  |
| Product Size                   | 24" x 24" Tile                  | (18" x 36" also available) |        |         |  |
| Secondary Backing              | 50% Recycled Content            |                            |        |         |  |
| Intermediate Layer             | Fiberglass Reinforced Sealant   |                            |        |         |  |
| Product Construction           | No Delamination per ASTM D-3936 |                            |        |         |  |
| Secondary Backing Density      | 65.0                            | lbs/cu ft                  | 1041   | kg/cu m |  |
| Secondary Backing Thickness    | 0.050                           | inch                       | 1.3    | mm      |  |
| Total Weight                   | 95.9                            | oz/sq yd +/-5%             | 3250.7 | g/sq m  |  |

#### Flex-Aire Modular® Cushion

|                                |                                                     |                            |      |              |            |
|--------------------------------|-----------------------------------------------------|----------------------------|------|--------------|------------|
| Total Minimum Recycled Content | 33.3%                                               |                            |      |              |            |
| Pre-Consumer                   | 9.1%                                                |                            |      |              |            |
| Postconsumer                   | 24.2%                                               |                            |      |              |            |
| Product Size                   | 24" x 24" Tile                                      | (18" x 36" also available) |      |              |            |
| Secondary Backing              | Fiberglass Reinforced Composite Closed Cell Cushion |                            |      |              |            |
| Intermediate Layer             | Fiberglass Reinforced Sealant                       |                            |      |              |            |
| Product Construction           | No Delamination per ASTM D-3936                     |                            |      |              |            |
| Cushion Weight                 | 35.5                                                | oz/sq yd                   | 1203 | g/sq m       | ASTM D1667 |
| Cushion Density                | 18.5                                                | lbs/cu ft                  | 296  | kg/cu m      | ASTM D1667 |
| Cushion Thickness              | 0.156                                               | inch                       | 4.0  | mm           | ASTM D1667 |
| Total Weight with RS / Non-RS  | 117.1                                               | 115.7 oz/sq yd +/-5%       | 3971 | 3924 g/sq m  |            |
| Compression Set                | Max. 10%                                            |                            |      |              | ASTM D1667 |
| Compression Deflection         | 5 Min.                                              | 25 max lbs/sq inch @ 25%   | 352  | 1758 g/sq cm | ASTM D1667 |

#### Powerbond® Cushion

|                                |                                 |                          |      |              |            |
|--------------------------------|---------------------------------|--------------------------|------|--------------|------------|
| Total Minimum Recycled Content | 22.6%                           |                          |      |              |            |
| Pre-Consumer                   | 13.6%                           |                          |      |              |            |
| Postconsumer                   | 9.0%                            |                          |      |              |            |
| Product Size                   | 6 ft.                           |                          |      |              |            |
| Cushion                        | Closed Cell Cushion             |                          |      |              |            |
| Heterogeneous Construction     | No Delamination per ASTM D-3936 |                          |      |              |            |
| Cushion Weight                 | 35.5                            | oz/sq yd                 | 1203 | g/sq m       | ASTM D1667 |
| Cushion Density                | 18.5                            | lbs/cu ft                | 296  | kg/cu m      | ASTM D1667 |
| Cushion Thickness              | 0.156                           | inch                     | 4.0  | mm           | ASTM D1667 |
| Total Weight with RS / Non-RS  | 79.0                            | 76.7 oz/sq yd +/-5%      | 2679 | 2601 g/sq m  |            |
| Compression Set                | Max. 10%                        |                          |      |              | ASTM D1667 |
| Compression Deflection         | 7 Min.                          | 25 max lbs/sq inch @ 25% | 492  | 1758 g/sq cm | ASTM D1667 |

#### Powerbond Medfloor®

|                                |                                 |                   |      |         |            |
|--------------------------------|---------------------------------|-------------------|------|---------|------------|
| Total Minimum Recycled Content | 22.6%                           |                   |      |         |            |
| Pre-Consumer                   | 13.6%                           |                   |      |         |            |
| Postconsumer                   | 9.0%                            |                   |      |         |            |
| Product Size                   | 6 ft.                           |                   |      |         |            |
| Cushion                        | Medfloor                        |                   |      |         |            |
| Heterogeneous Construction     | No Delamination per ASTM D-3936 |                   |      |         |            |
| Cushion Weight                 | 37                              | oz/sq yd          | 1254 | g/sq m  | ASTM D1667 |
| Cushion Density                | 30                              | lbs/cu ft         | 481  | kg/cu m | ASTM D1667 |
| Cushion Thickness              | 0.085                           | inch              | 2.2  | mm      | ASTM D1667 |
| Total Weight                   | 78.2                            | oz/sq yd +/-5%    | 2652 | g/sq m  |            |
| Compression Set                | Max. 10%                        |                   |      |         | ASTM D1667 |
| Compression Deflection         | 29                              | lbs/sq inch @ 25% | 2039 | g/sq cm | ASTM D1667 |