

# Mats Inc. Technical Data for Debolon Comfort

## Product Description

|                   |                                                                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General</b>    | Heterogeneous resilient floor covering with glass fiber reinforcement. Traffic-rated for heavy commercial/light industrial use with a proprietary UV-cured PUR top surface. |
| <b>Backing</b>    | Polyester fleece backing                                                                                                                                                    |
| <b>Roll sizes</b> | 6'7" x 65'7"                                                                                                                                                                |

## Technical Specifications

|                            | Test           | Requirement                                                                               | COMFORT                                                    |
|----------------------------|----------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------|
| <b>Physical Properties</b> |                |                                                                                           |                                                            |
| Overall thickness          | EN 428         | In mm                                                                                     | 3.3 mm                                                     |
| Wear layer thickness       | EN 429         | In mm and inches (" )                                                                     | 0.8 mm (0.031")                                            |
| Weight                     | EN 430         | In lbs/sqft                                                                               | 0.58 lbs/sqft                                              |
| <b>Safety</b>              |                |                                                                                           |                                                            |
| Critical radiant flux      | ASTM E648      | Class 1: 0.45 w/cm <sup>2</sup> or higher                                                 | 1.07                                                       |
| Smoke density              | ASTM E662      | Specific optical density (corrected): max. 450 in the flaming mode                        | Pass                                                       |
| Slip resistance            | ASTM C1028     | Slip coefficient: OSHA min. 0.5; ADA (guideline) min. 0.6                                 | wet 0.73<br>dry 0.66                                       |
| Low VOC emissions          | AgBB/DDIBt     | Low VOC emissions                                                                         | Pass                                                       |
| <b>Performance</b>         |                |                                                                                           |                                                            |
| Sound absorption           | ISO 140-8      | In decibels (dB)                                                                          | approx. 18 dB                                              |
| Antistatic behavior        | EN 1815        | Antistatic: less than 2 kilovolts (kV)                                                    | < 2 kV                                                     |
| Electrical resistance      | EN 1081        | Static dissipative: min. 1 x 10 <sup>6</sup> ohms and max. 1 x 10 <sup>9</sup> ohms       | < 1 x 10 <sup>9</sup> Ohm                                  |
| Thermal resistance         | EN 12667       | Max. 0.15 m <sup>2</sup> K/W (K=Kelvin)                                                   | 0.0283                                                     |
| Dimensional stability      | EN 434         | Max. 0.1%                                                                                 | < 0.1%                                                     |
| Ball rebound               | DIN 18032 4/01 | Min. 90%                                                                                  | 99.3%                                                      |
| Sliding properties         | DIN 18032 4/01 | Min. 0.4m to max. 0.6m                                                                    | 0.44m                                                      |
| <b>Durability</b>          |                |                                                                                           |                                                            |
| Static load limit          | ASTM F970      | Commercial use: min. 175 psi                                                              | 200 psi                                                    |
| Color fastness to light    | EN 20105-B02   | Min. 6                                                                                    | > 6                                                        |
| Color fastness to heat     | ASTM F1514     | Pass : Delta E < 8                                                                        | < 8                                                        |
| Residual indentation       | EN 433         | < 0.2 mm                                                                                  | < 0.2 mm                                                   |
| Chemical resistance        | ASTM F925      | Best = no change                                                                          | No change                                                  |
| Wear group classification  | EN 685         | Class 34: commercial, very heavy load<br>Class 42: industrial, normal load                | 34 and 42                                                  |
| <b>LEED</b>                |                |                                                                                           |                                                            |
| IEQ Credit 4.1             | LEED-NC v. 3   | For 1 point: low-emitting adhesive with a VOC of 70 g/L or less for multipurpose adhesive | Perma-Bond VOC: 3 g/L                                      |
| IEQ Credit 4.3             | LEED-NC v. 3   | For 1 point: low-emitting flooring per GreenLabelPlus or FloorScore®                      | FloorScore® certified                                      |
| MR Credit 4                | LEED-NC v. 3   | For 1 - 2 points: \$ value of <u>all</u> materials = min. average 10% recycled content    | 5% recycled (pre-consumer)                                 |
| MR Credit 6                | LEED-NC v. 3   | For 1 point: \$ value of all materials = harvested within a 10 year cycle or shorter      | 10% of Debolon is made of a rapidly renewable plasticizer. |