

MARDOM DECOR

MARDOM Sp. z o.o.

ul. Ratajska 11a
91-231 Łódź, PL
www.mardomdecor.com

Contact information:

Tel.: +48 42 678 67 86
E-mail: producthelp@mardomdecor.com

ProFoam[®]

TECHNICAL DATA SHEET

1. PRODUCT IDENTIFICATION & COMPOSITION

- | | |
|--------------------------------------|--|
| 1.1. MATERIAL: | High-density integral polyurethane foam. |
| 1.2. CHEMICAL BASIS: | The product is a high-grade polyurethane formed via the chemical reaction of a polyol prepareate and diphenylmethane diisocyanate (MDI). |
| 1.3. COMPONENT RATIO (PRE-REACTION): | <ul style="list-style-type: none">- Polyol part: 49%- Diisocyanate part: 51%.- Note: Post-reaction, the final polyurethane is chemically stable and inert. |

2. PHYSICAL & MECHANICAL PROPERTIES

- | | |
|--|---|
| 2.1. DENSITY: | ca. 220 kg/m ³ . |
| 2.2. HARDNESS: | Over 35 Shore D (variable based on specific application). |
| 2.3. THICKNESS: | Variable, ranging from 8 mm to 50 mm. |
| 2.4. TEMPERATURE RANGE: | -20°C to +80°C without degradation. |
| 2.5. IGNITION TEMPERATURE: | Higher than 350°C. |
| 2.6. LINEAR THERMAL EXPANSION COEFFICIENT: | $40 - 60 \times 10^{-6} \text{ m/(m} \cdot \text{K)}$ |
| 2.7. DIMENSIONAL STABILITY: | The product does not deteriorate or alter with time. |
| 2.8. ACOUSTICS: | Polyurethane is considered acoustically neutral. |

3. SURFACE & APPLICATION

- | | |
|---------------------|---|
| 3.1. PRIMER: | PU basecoat high build - white. |
| 3.2. COMPATIBILITY: | The factory primer will accept any high-quality finishing paint. |
| 3.3. DURABILITY: | Shock and split resistant; resistant to moisture and most common solvents. |
| 3.4. UV RESISTANCE: | Not inherently UV-resistant; however, it becomes UV-resistant after the application of the final decorative painting. |

MARDOM DECOR

MARDOM Sp. z o.o.

ul. Ratajska 11a

91-231 Łódź, PL

www.mardomdecor.com

Contact information:

Tel.: +48 42 678 67 86

E-mail: producthelp@mardomdecor.com

4. ENVIRONMENTAL & HEALTH SAFETY

- | | |
|---------------------------|--|
| 4.1. VOC EMISSIONS: | Very low emission class A+ (VOC 0%). |
| 4.2. SUSTAINABILITY: | 100% CFC-free and water-blown; Ozone Depletion Factor (ODP) is 0. |
| 4.3. MATERIAL SAFETY: | The product is free of asbestos and cyanides. |
| 4.4. TOXICITY: | <ul style="list-style-type: none">- Low oral toxicity.- Inhalation toxicity of foam dust is considered low (regarded as inert nuisance dust). |
| 4.5. HUMIDITY RESISTANCE: | Water absorption after 24 hours is <0.1%, with no influence on mechanical properties. |

5. FIRE RESISTANCE PERFORMANCE

- | | |
|----------------------------|--|
| 5.1. STANDARD MATERIAL: | Classified as Fire Standard E (not inherently flame retardant). |
| 5.2. ENHANCED PERFORMANCE: | Can be coated with fire-retardant paint to achieve Euroclass B-s2, d0. |