**Section 12 48 13**

MIGUA Door Mats and Frames

**MIGUMAT 42HD**

(needle felt)

**PART 1 – GENERAL**

* 1. **SECTION INCLUDES**
1. Door Mats and Frames
	1. **REFERENCES**
2. ASCE 7-Building Code Requirements for Minimum Design Loads in Buildings and other structures
3. ASTM B221 – Aluminum – Alloy Extruded Bars, Rods, Wire, Shapes and Tubes
4. ASTM C1028 -Static Coefficient of Friction
5. CRI : The Carpet and Rug Institute
	1. **PERFORMANCE**

A. Slip resistance in accordance with ASTM C1028, Static Coefficient of Friction (SCOF), minimum 0.50 for accessible routes. (DIN51130 -R11)

B. Load performance:

 11400 kg per 80cm2

C. Single Source Responsibility: Obtain floor mats and frames from one source of a single manufacturer.

1. Utilize superior structural aluminum alloy 6063-T66 for rail components.

**SUBMITTALS**

1. Section 01300 – Submittals: Procedures for submittals
2. Shop Drawings: Indicate rail configuration, supports, frame profiles, locations, dimensions and

 installation details

1. Samples: Provide two (2) sets of color samples representing manufacturers full range
2. Installation instructions for each specified product
3. Closeout Documents – Maintenance, Warranty

# PART 2 – PRODUCTS

* 1. **MANUFACTURERS**
		1. **Acceptable Manufacturer:**

MIGUA Fugensysteme GmbH, Dieselstraße 20,42489 Wülfrath, Germany.
Tel +49 2058 774 0, Email: info@migua.de

Middle East Contact: MIGUA Middle East FZE, Po Box 17202, Dubai, UAE.

Tel: +9714 8812148, Email: Salesme@migua.com

* 1. **MATERIALS AND COMPONENTS**

1. **Acceptable Product**: Model: MIGUMAT 42HD
2. **Description:** Door Mats, MIGUMAT 42HD shall be manufactured from 6063-T66 aluminum alloy, with special vinyl connector strips to allow rollback for easy cleaning and dirt collection slots for low maintenance. Consists of extruded aluminum carpet carriers with scratching edges.
3. Overall depth without frame is (42mm). Supplied in mill finished (standard) or one of 6 optional colors as offered by manufacturer (anodized or powder-coated).
4. Aluminum Members: Extrusions: ASTM B211 Type 6063-T66 Alloy.
	1. **CARPET INSERT OPTIONS**
	2. **Needle Felt Carpet** 100% polypropylene, Pile insert; fully needled; non loop fabric; minimal soiling; extremely abrasion resistant. The texturized fibers have ultraviolet blockers and color as an integral part of the filament. Each carpet fiber shall be fusion-bonded to a rigid ply backing to prevent fraying and supplied in continuous splice-free lengths. Available in 4 standard colors.

* 1. **FRAMES OPTION**
	2. **Angle Recessed Frame**: Made of aluminum or stainless steel with the original MIGUA angle frames. The frame composition is flush with the upper edge of the angle frame and the final floor covering, suitable for carpet, tile, natural stone or parquet.
	3. **Surface Frame**: Made of 6060-T66 aluminum alloy supplied in mill finish or stainless-steel Grade 304 (1.4301). Dimensions are 45 / 25 / 3mm.
	4. **FABRICATION:**
	5. Maximum size of one mat piece construction

Mats upto 6.25 m in one piece is possible.

* 1. **FINISHES**

All exposed aluminum surfaces to be mill finish or all exposed aluminum surfaces to be Clear Anodized Finish.

# PART 3 – EXECUTION

* 1. **EXAMINATION**
	2. Verify that surfaces and openings are ready to receive work and field measurements are as shown on drawings, allowing for square and level tolerances
	3. **INSTALLATION**

A. Install specified products in accordance with shop drawings and manufacturer’s printed installation instructions as per the submittals section.

* 1. Coordinate installation method with application of surrounding materials.
	2. **PROTECTION**
	3. Protect all mats and frames from construction traffic. Mats should be stored until completion of project or protected by plywood or other substrate to prevent damages.

**END OF SECTION**