# ARCHITECTS AND DESIGNERS SPECIFICATIONS 10 DUST BARRIER SOLUTIONS FOR YOUR ENTRANCE

romusworld.com



# ROMAT



### **3 CLEANING ZONES**

In intensive traffic areas and for effective dust retention, the entrance hall should be subdivided into 3 zones, with each zone having a clearly defined cleaning role.



Outdoor in a recess, collection of gravel, earth, mud and coarse dirt. 35-40% of dirt is removed after 1.5 metres.

ZONE 2

Indoor in a recess, collection of finer dirt stored between the profiles and absorption of humidity by inserts. 70% of dirt and humidity removed after 3-3.5 metres.

ZONE 3

Indoor on the floor, washing mats absorb the remaining damp dirt. 90% of dirt removed after 4.5 to 5 metres.



# **OBJECTIVE**

Entrance matting is essential to new and renovated buildings: ROMUS mats are specially designed to dirt and moisture from entering buildings, which will prevent from damaging the floor, from premature wear of floor-covering, from excessive cleaning and slipping injuries.



Because service is as important as product quality, our technicians will assist you throughout the whole process from specifying the right product to the fitting on site.





With 50 years of experience in the finishing building industry, we have developed a wide range of matting system to be not only not only a technical long lasting product, but also crafted to perfectly fit in high end architectural designs.

No. of

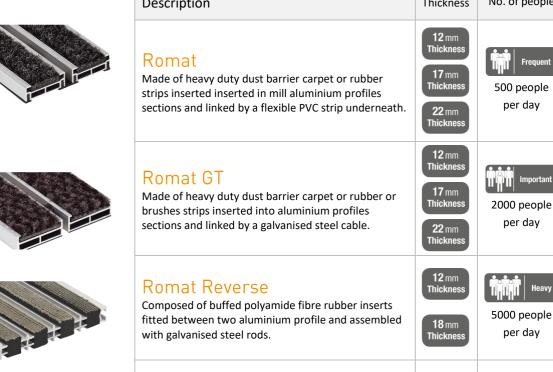


# ENVIRONMENT

ROMUS complies with REACH certification.

per day

> Banks





ROMU

profiles are joined to each other with flexible stainless steel cables.

Description	Thickness	No. of people	trolleys	Intended use	
Romat Made of heavy duty dust barrier carpet or rubber strips inserted inserted in mill aluminium profiles sections and linked by a flexible PVC strip underneath.	12 mm Thickness 17 mm Thickness 22 mm Thickness	Frequent 500 people per day	100 kg per wheel	<ul> <li>&gt; Housing</li> <li>&gt; Small office</li> <li>buildings</li> <li>&gt; Small businesses</li> </ul>	
Romat GT Made of heavy duty dust barrier carpet or rubber or brushes strips inserted into aluminium profiles sections and linked by a galvanised steel cable.	12 mm Thickness 17 mm Thickness 22 mm Thickness	2000 people per day	100 kg per wheel	<ul> <li>&gt; Banks</li> <li>&gt; Large retail stores</li> <li>&gt; Clinics</li> <li>&gt; Hospitals</li> <li>&gt; Offices</li> <li>&gt; Schools</li> </ul>	
Romat Reverse Composed of buffed polyamide fibre rubber inserts fitted between two aluminium profile and assembled with galvanised steel rods.	12 mm Thickness 18 mm Thickness	5000 people per day	150 kg per wheel	<ul> <li>&gt; Hospitals</li> <li>&gt; Colleges</li> <li>&gt; Shopping Centres</li> <li>&gt; Airports</li> </ul>	
Romat Brush Made of 15 x 15 mm plastic profile sections, into which 6.6 nylon fibres have been embedded. These profiles are joined to each other with flexible staipless	15 mm Thickness	2000 people	-	<ul><li>&gt; Schools</li><li>&gt; Buildings</li><li>&gt; Clinics</li></ul>	

## IDENTIFY YOUR NEED, DEFINE YOUR SOLUTION\*:

		Romat 12mm	Romat 17 and 22mm	Romat GT 12mm	Romat GT 17 and 22mm	Romat Design Combination 16 mm	Romat Design Combination 22mm	Romat Reverse 18 mm	Romat Brush 22 mm
·	r	rollable	rollable	rollable	rollable	rollable	rollable	Rigid	Rigid
Indoor	Frequent traffic (<500 pers. per day)	YES	YES -> 1 and 2	YES	YES	YES	YES	YES	YES
	Important traffic (500<>2000 pers. per day)	NO	YES	YES	YES -> 3, 4 and 5	YES -> 8	YES -> 7	YES	YES
	Heavy traffic (>2000 pers. per day)	NO	NO	NO	YES	NO	YES	YES -> 9	NO
	Trolley traffic	NO	NO	NO	YES -> 3, 4 and 5	YES -> 8	YES -> 7	YES -> 9	NO
	Pallet truck traffic	NO	NO	NO	NO	NO	NO	YES -> 9	NO
	Non-rectangular mat: special shapes.	YES	YES -> 1	NO	NO	YES -> 8	YES -> 7	NO	NO
	Revolving doors	NO	YES	NO	NO	YES -> 8	YES -> 7	NO	NO
Outdoor	Frequent traffic (<500 persons per day)		YES -> 2	NO	YES -> 5 and 6	YES with brush/ rubber insert	YES with brush/ rubber insert	NO	YES -> 10
	High traffic (500<>2000 pers. per day)	NO	NO	NO	YES -> 5 and 6	YES with brush/ rubber insert	YES with brush/ rubber insert	NO	YES -> 10

The suggestions in the green boxes are the most suitable and are best-sellers.

\*Numbers 1 to 10 in this table are the solutions presented on the following pages.

Example: YES -> 1 = see design specifications below, solution no. 1

#### Two main installation conditions:

1) The longer the Entrance Mat is the more dust is retained.

It should be take at least 4 80 cm steps => 2.40 m long, to make it effective as a dust barrier.

More than 2.40 m long + Open structure => Maximum dust barrier efficiency

2) The matwell should be at least 18 mm deep and the floor should be flat (3 mm difference over a 2 m radius) and clean.





### ROMUS DIRT BARRIER SOLUTION No.1:

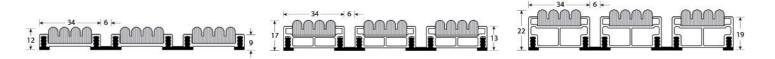
### ROMAT WITH LOOP PILE INSERT

Up to 500 persons per day

### 12,17 & 22 MM COARSE DENIER - CFL-S1



- > Open structure for maximum efficiency
- > Use: Multi-occupancy housing, offices, shops, administrations, etc.



### Standard specification:

Supply and installation of a ROMUS ROMAT rollable open structure entrance mat in a 19 mm or 24 mm matwell. Positioned in indoor access areas, the number and size of mats (2.40 m minimum in length) will be determined according to the traffic. Aluminium frames to be sealed in the subfloor.

Made to measure, rollable, hard-wearing, wheelchair-friendly, mats will be Cfl-s1 (EN13501) fire rated and suitable for use with 100 kg per wheel trolleys and will be made of 34 mm Class 2.3, antistatic textile inserts, suitable for high traffic, 100% polypropylene, slip resistance (friction coefficient) DS > 0.30, loop pile coarse denier ribbed matting, wear resistant, rot-proof, scraping and absorbent (4 l/m2), 1.72 kg/m2, inserted in 6060 - EN 755-9 mill aluminium profiles, linked together with noise-dampening openwork PVC strips, providing a 6 mm opening between each section. They comply with the EU's REACH Regulation.

The overall thickness of the matting will be 12, 17 mm or 22 mm (to be specified) and the colour of the inserts will be anthracite (Ref. 8900, 8910 or 8920) or mid grey (Ref. 8901, 8911 or 8921) or sisal or red (to be specified).

The mat will be installed in a matwell with a 17 x 23 ROMUS Ref. 6100 sealed frame or with a ramp or a frame Ref. 6094/6093 "L" frame.

### To coordinate in Zone 3:



### ROMAT WITH 12, 17 & 22 MM RUBBER INSERT

## ROMUS DIRT BARRIER

SOLUTION No. 2



> Open structure for maximum efficiency

> Use: multi-occupancy housing, offices, boutiques, administrations, etc.



#### Standard specification:

Supply and installation of a ROMUS ROMAT rollable open structure entrance mat in a 19 mm or 24 mm matwell. Positioned in indoor access areas, the number and size of mats (2.40 m minimum in length) will be determined according to the traffic. Aluminium frames to be sealed into the subfloor.

Made to measure, hard-wearing rollable, wheelchair friendly, will be made of 34 mm wide anti-slip, dust barrier rubber strips with scraping and wiping properties, inserted in 6060 - EN 755-9 mill aluminium profile sections, linked together with openwork noise-dampening PVC strips, providing a 6 mm opening between each section. They comply with the EU's REACH Regulation.

The overall thickness of the matting with single strips will be 12, 17 or 22 mm (to be specified) and the colour of the rubber inserts will be black (Ref. 8950, 8951 or 8952, to be specified).

The mat will be installed in a matwell with a ROMUS 17 x 23 Ref. 6100 sealed frame or a with a ramp or Ref 6094/6093 "L" frame (to be specified).

### To coordinate in Zone 3:







### SOLUTION No. 3:

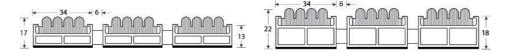
# ROMAT GT WITH 12, 17 & 22 MM COARSE DENIER LOOP PILE INSERT - BFL-S1

Up to 2000 persons per day



> Open structure for maximum efficiency

> For offices, shops, shopping malls, banks, hospitality, healthcare, administrations...



### Standard specification:

Supply and installation in a 19 mm or 24 mm matwell of a ROMUS ROMAT GT rollable open structure entrance mat. Positioned in indoor access areas, mats will be sufficient in number and size (mini 2.40 m long) to cope with expected traffic. Aluminium frames to be sealed into the subfloor.

Made to measure, rollable, hard-wearing, wheelchair-compatible, mats will be Bfl-s1 (EN13501) fire rated and suitable for use with 100 kg per wheel trolleys and will be made of 34 mm Class 2.3, anti-static textile wide inserts, suitable for heavy traffic, 100% polypropylene, slip resistance (friction coefficient) DS > 0.30, loop pile high denier ribbed matting, wear resistant, rot-proof, scraping and absorbent (4 l/m2), 2.20 kg/m2, inserted in 6060 - EN 755-9 30% recycled mill aluminium profiles, linked together with galvanised steel cables and rubber spacers, providing a 6 mm opening between each section. Traffic noise is dampened by anti-slip rubber strips glued under each aluminium section. They comply with the EU's REACH Regulation.

The overall thickness of the matting with single strips will be 17 mm or 22 mm (to be specified) and inserts will be anthracite in colour (Ref 8460 or 8470) or mid grey (Ref 8461 or 8471) or sisal (to be specified).

Mats come with a 5 year warranty, so long as the mat selected meets the design specifications and it is installed and maintained in accordance with recommendations.

The mat will be installed in a matwell with a Ref 6100 ROMUS 17 x 23 sealed frame or with a ramp or Ref. 6094/6093 "L" frame (to be specified).

### To coordinate in Zone 3:



### ROMAT GT WITH 12, 17 & 22 MM TUFTED POLYAMIDE INSERT- BFL-S1

### ROMUS DIRT BARRIER

SOLUTION No. 4



> Open structure for maximum efficiency

> Uses: offices, shops, shopping centres, banks, hotels, healthcare, administrations, etc.



### Standard specification:

Supply and installation in a 19 mm or 24 mm matwell of a ROMUS ROMAT GT rollable open structure entrance mat. Positioned in indoor access areas, mats will be sufficient in number and size (mini 2.40 m long) to cope with expected traffic. Aluminium frames to be sealed in the subfloor.

Made to measure, rollable, hard-wearing, wheelchair friendly, mats will be Bfl-s1 (EN13501) fire rated and suitable for use with 100 kg per wheel trolleys and will be made of 34 mm Class 3.2, anti-static textile wide inserts, suitable for intensive traffic, 6.6 tufted polypropylene, anti-slip (friction coefficient) DS > 0.30, wear resistant, rot-proof, scraping and absorbent (5.2 l/m2), 3.60 kg/m2, inserted in 6060 - EN 755-9 unfinished 30% recycled aluminium profiles, linked together with galvanised steel cables and rubber spacers, providing a 6 mm opening between each section. Traffic noise is dampened by anti-slip rubber strips glued under each aluminium section. They comply with the EU's REACH Regulation.

The overall thickness of the matting with single strips will be 12, 17 or 22 mm (to be specified) and inserts will be dark grey or blue (to be specified).

Mats come with a 5 year warranty, so long as the mat selected meets the design specifications and it is installed and maintained in accordance with recommendations.

The mat will be installed in a matwell with a ROMUS Ref 6100, 17 x 23 sealed frame, with a ramp or Ref 6094/6093 "L" frame (to be specified).

### To coordinate in Zone 3:



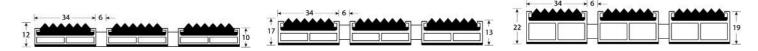




> Open structure for maximum efficiency

Up to 2000 persons a day

> Use: For offices, shops, shopping centres, banks, hotels, administrations, industrial sites, ski resorts, etc.



#### Standard specification:

Supply and installation in a 19 mm or 24 mm matwell of a ROMUS ROMAT GT rollable open structure entrance mat. Positioned in indoor access areas, mats will be sufficient in number and size (mini 2.40 m long) to cope with expected traffic. Aluminium frames to be sealed into the subfloor.

Made to measure, rollable, hard-wearing, wheelchair-compatible, mats will be Dfl-s1 (EN13501) fire rated and suitable for use with 100 kg per wheel trolleys and will be made of 34 mm dirt barrier rubber inserts with scraping and wiping properties, inserted in 6060 - EN 755-9 30% recycled aluminium profiles, linked together with galvanised steel cables and rubber spacers, providing a 6 mm opening between each section. Traffic noise is dampened by anti-slip rubber strips glued under each aluminium section. They comply with the EU's REACH Regulation.

The overall thickness of the matting with single strips will be 12, 17 or 22 mm (to be specified).

Mats come with a 5 year warranty, so long as the mat selected meets the design specifications and it is installed and maintained in accordance with recommendations.

The mat will be installed in a matwell with a ROMUS 17 x 23, Ref 6100 sealed frame, with a ramp or Ref 6094/6093 "L" frame (to be specified).

#### To coordinate in Zone 3:



### ROMAT GT WITH 19 & 24 MM BRUSH INSERT

# ROMUS DIRT BARRIER

SOLUTION No. 6





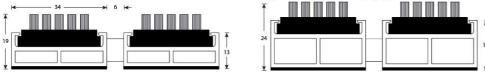




Up to 2000 persons per day

> Open structure for maximum effectiveness

> Uses: offices, shops, shopping centres, banks, hotels, healthcare, administrations, etc.



### Standard specification:

Supply and installation in a 21 mm or 26 mm matwell of a ROMUS ROMAT GT rollable open structure entrance mat. Positioned in indoor access areas, mats will be sufficient in number and size (mini 2.40 m long) to cope with expected traffic. Aluminium frames to be sealed in the subfloor.

Made to measure, rollable, hard-wearing, wheelchair friendly, mats will be made of 34 mm wide anti-slip dirt barrier strips with 6.6 UV-stabilised nylon brushes moulded into a 100% recycled PVC profile with scraping, wear-resistant properties, inserted in 6060 - EN 755-9 30% unfinished aluminium profiles, linked together with galvanised steel cables and rubber spacers, providing a 6 mm opening between each section. Traffic noise is dampened by anti-slip strips glued under each aluminium section. They comply with the EU's REACH Regulation.

The overall thickness of the matting with single strips will be 19 mm or 24 mm (to be specified).

Mats come with a 5 year warranty, so long as the mat selected meets the design specifications and it is installed and maintained in accordance with recommendations.

The mat will be installed in a matwell with a ROMUS Ref 6100 17 x 23 sealed frame or with a ramp or Ref 6094/6093 "L" frame (to be specified).

### To coordinate in Zone 3:

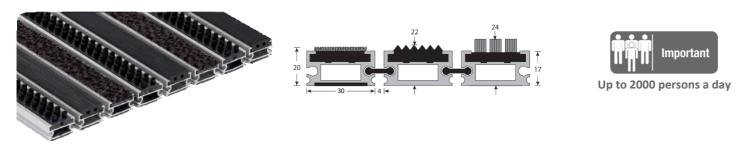




### ROMUS DIRT BARRIER

### SOLUTION No. 7.

### ROMAT DESIGN WITH POLYAMIDE, RUBBER OR 22 MM BRUSH INSERT



- > Polyamide cut-pile carpet, rubber or brush inserts or a combination of different inserts.
- > Zone 1 outdoors (brush-rubber insert) or Zone 2 indoors (textile insert)
- > Open structure for maximum effectiveness
- > Uses: offices, shopping centres, hotels, healthcare, administrations, ski resorts, etc.

### Standard specification:

Supply and installation in a 24 mm matwell for a ROMUS ROMAT GT, open structure, rollable entrance mat. Positioned in indoor access areas, mats will be sufficient in number and size (mini 2.40 m long) to cope with expected traffic. Aluminium frames to be sealed in the subfloor.

Made to measure, hard-wearing, rollable, wheelchair friendly, mats will be made of a combination of 30 mm (to be specified), anti-slip inserts made of 6.6 dirt barrier tufted polyamide fibres (water absorption 6.5 L/m2) slip resistance (coefficient of friction) DS > 0.30 or EPDM rubber or UV- stabilised nylon 6.6 brush system moulded in 100 % recycled PVC profile (DIN 16941/3), inserted in 6060 - EN 755-9 30% recycled, unfinished aluminium profile sections linked together with PVC openwork strips. Traffic noise is dampened by anti-slip rubber strips glued under each aluminium section. They comply with the EU's REACH Regulation. 22 mm Romat Design with 6.6 tufted polyamide fibre inserts is Cfl s1 fire rated.

Mats come with a 5 year warranty, so long as the mat selected meets the design specifications and it is installed and maintained in accordance with recommendations<sup>\*</sup>.

The mat will be installed in a matwell with a ROMUS Ref. 6100, 17 x 23 sealed frame or with a ramp or profile with a Ref. 6093 "L" frame (to be specified). The thickness of the matting with single strips will be 22 mm, with a choice of 3 inserts: Anthracite cut pile textile insert, EPDM rubber insert and brush insert.

### To coordinate in Zone 3:



# ROMAT DESIGN JUNIOR WITH 12MM POLYAMIDE, RUBBER OR 15 MM BRUSH INSERT

### ROMUS DIRT BARRIER SOLUTION No. 8:





- > Polyamide cut-pile carpet, rubber or brush inserts or a combination of different inserts.
- > Zone 1 outdoors (brush-rubber insert) or Zone 2 indoors (textile insert)
- > Open structure for maximum effectiveness
- > Uses: offices, shopping centres, hotels, healthcare, administrations, ski resorts, etc.

### Standard specification:

Supply and installation of a ROMUS DESIGN JUNIOR open structure, rollable entrance mat with frames for in setting. Positioned in indoor access areas, mats will be sufficient in number and size (mini 2.40 m long) to cope with expected traffic. Aluminium frames to be sealed in the subfloor.

Made to measure, rollable and strong, wheelchair friendly, mats will be made of a combination (to be specified) of 40 mm anti-slip inserts made of dirt barrier 6.6 tufted polyamide fibres (water absorption 6.5 L/m2) with DS> 0.30 slip resistance (coefficient of friction)

or of rubber or in UV-stabilised nylon 6.6 brush, moulded into a 100% recycled PVC profile (DIN 16941/3), inserted into 30% recycled DIN 1748 unfinished aluminium profile sections, linked to openwork PVC strips. Traffic noise is dampened by anti-slip rubber strips glued under each aluminium section. They comply with the EU's REACH Regulation. Romat Design 12 mm with polyamide 6.6 cut pile fibres inserts is fire rated Cfl s1.

The overall thickness of the matting will be 12 mm with Carpet and Rubber insert and 15 mm with Brush insert.

Mats come with a 5 year warranty, so long as the mat selected meets the design specifications and it is installed and maintained in accordance with recommendations\*.

The mat will be installed in a matwell with a ROMUS Ref 6113, 13 mm frame for insetting or with a ramp or Ref 6094 "L" frame (to be specified).

### To coordinate in Zone 3:





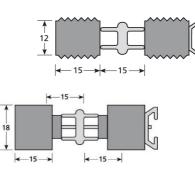
### ROMUS DIRT BARRIER

SOLUTION No. 9



## ROMAT REVERSE WITH 12 & 18 MM SCRAPING SURFACE POLYAMIDE FIBRE RUBBER INSERT

RATING BFL-S1





Up to 5000 persons per day

> Uses: shopping centres, railway stations, airports, hotels, industry, etc. Standard

#### specification:

Supply and installation of reversible and rigid ROMUS ROMAT REVERSE entrance matting with frames to be sealed in the sub-floor. Positioned in indoor access areas, mats will be sufficient in number and size (mini 2.40 m long) to cope with expected traffic. Aluminium frames to be sealed into the subfloor.

Made to measure, wheelchair friendly, mats will be Bfl s1 fire rated (EN13501), will allow a 150 kg per wheel trolley to pass over them and will be made of strips of anti-slip 30% recycled polychloroprene rubber with a 15 mm x 18 mm section, traversed by polyamide nylon fibres roughened on the surfaces, carpet effect, inserted between two 30% recycled 6060 - EN 755-9 unfinished aluminium profiles, all held together by flexible galvanised steel cables able to withstand a static load of 2,900 kg per 100 cm2.

Romat Reverse mat Ref 8000 is fire rated Bfl-s1 as per EN 13501.

Reverse mat is also available with Rubber insert Ref 8030 with fire rating Bfl-s1 as per EN 13501.

The overall thickness of the matting with single strips will be 12 or 18 mm.

Mats come with a 10 year warranty, so long as the mat selected meets the design specifications and it is installed and maintained in accordance with recommendations.

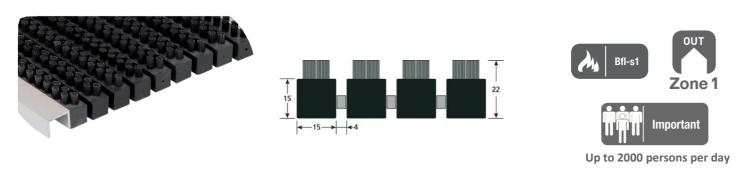
The mat will be installed in a matwell with a frame to be sealed 17x23, of Ref 6100 type (to be specified).

#### To coordinate in Zone 3:



### ROMAT BRUSH WITH PLASTIC PROFILE SECTIONS AND 15 MM NYLON FIBRES

### ROMUS DIRT BARRIER SOLUTION No. 10



> Uses: offices, shops, administrations, access to industrial workshops, ski resorts, etc.

### Standard specification:

Supply and installation of rigid and open structure ROMUS BRUSH entrance matting with frames to be sealed in the subfloor. Positioned in indoor or outdoor access areas, mats will be sufficient in size (1.80 m by 3.00 m in length) and in number depending on the traffic.

Made to measure and handicapped accessible, the mats will be made of 15x15 PVC profile sections with antislip and UV stabilized nylon polyamide 6.6 brushes moulded in a 100 % recycled PVC profile (DIN 16941/3). The PVC profiles will be linked together with flexible galvanised steel cables and rubber spacers.

The overall thickness of BRUSH matting will be 22 mm, with the following insert finish types (Black Ref 8710).

Mats come with a 5 year warranty, so long as the mat selected meets the design specifications and it is installed and maintained in accordance with recommendations.

The mat will be installed in a matwell with a ROMUS Ref. 6100, 17 x 23 sealed frame or Ref 6093 "L" frame , or with a ramp (to be specified).

### To coordinate in Zone 2: (If Brush Zone 1)

Supply and installation of ROMUS ROMAT or ROMAT GT entrance matting, in a 17 or 22 mm matwell protected by a frame.

### To coordinate in Zone 3:

Supply of ROMUS ROCLEAN washable matting in steel grey tufted polyamide fibre, 6 to 7 litres/m2 absorption, 100% rubber base, anti-static, machine washable, Efl fire rating, in sizes from 3 to 5 m and sufficient number, depending on the traffic.

guarantee chart available on request



### **ROMAT** ENTRANCE MATS



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