



keonn

RFID
Systems

AdvanMat-200™

RFID floor mat





Video

Benefits:

- Excellent performance
- Non visible antennas
- Easy to install
- Easy connection to any reader

Applications:

- Loss prevention systems
- People tracking at exhibitions
- Item tracking between backroom and sales floor at retail stores
- Small warehouses
- People and object tracking in general at doors or corridors

Product overview

AdvanMat-200 integrates **four high performance UHF RFID antennas** inside a floor mat, for tracking people or objects.

AdvanMat-200 is able to withstand the weight of 3-4 people while maintaining the functionalities of the antennas.

The **antennas** have circular polarization and a radiation pattern characterized by a 40° beam width in one direction and a 90° beam width in the perpendicular direction (curtain beam shape).

This radiation pattern makes this system ideal for RFID **applications** such as loss prevention systems, portals, corridors, doors, etc.

The **material and color** of the mat can be selected, under some limitations.

Options

Texture

AdvanMat-200 can be supplied **with fabric surface or without it**. When supplied without fabric surface, a conventional carpet can be placed over AdvanMat.

with fabric



or

without fabric



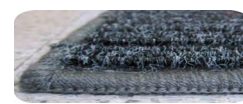
Edge thickness

Constant thickness



or

Low thickness edge



Cables exit

Cables exit on the **right**



or

Cables exit on the **left**



Cables exit through the **edge**



Cables exit **beneath**



Cleaning of AdvanMat



When delivered with texture surface, AdvanMat-200 needs to be dry cleaned using products like sprays for upholstery cleaning (sofas, carpets, etc.)

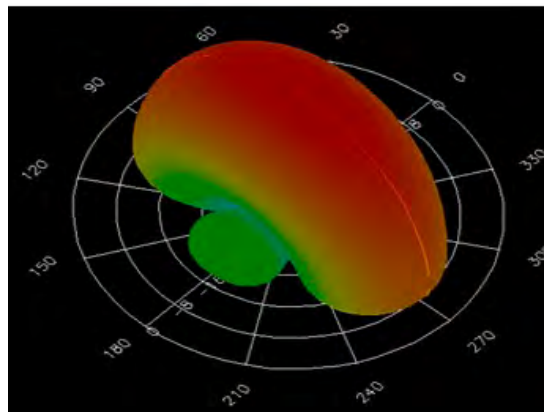
Once sprayed, the carpet should be swept with a soft brush and wiped dry.

Do not clean in laundries.

Technical specifications

Operating Frequency EU Version	865 - 868 MHz (ETSI EN 302 208)
Operating Frequency US Version	902 - 928 MHz (FCC part 15)
Operating Detection distance	Up to 3 m
Number of antennas	4
Radiation pattern	Fan beam
Gain of each antenna	6 dBi
Beam width of each antenna	40° / 90°
Polarization	Circular
Cables and connectors	4 cables, with SMA female connectors
Color	Several colors available
Texture	Rough or smooth
Available sizes	<ul style="list-style-type: none"> • 1000 mm x 750 mm (39.4 inches x 29.5 inches) • 1300 mm x 800 mm (51.2 inches x 31.5 inches) • 1600 mm x 900 mm (63.0 inches x 35.4 inches)
Height	<ul style="list-style-type: none"> • With fabric: 23 mm (0.8 inches) • Without fabric (only plastic): 16 mm (0.6 inches)
Weight	<ul style="list-style-type: none"> • Small size: 6 Kg • Medium size: 9 Kg • Large size: 12 Kg
Temperature range	-20°C to +55°C

Radiation pattern of each antenna



Product codes for ordering

ADMT	-	F	S	CC	T	-	EE	-	FF	-	mmm	
												F = finish
		R										rough texture fabric
		S										smooth texture fabric
		P										plastic (without fabric)
												S = size
			L									large (1600 mm x 900 mm)
			M									medium (1300 mm x 800 mm)
			S									small (1000 mm x 750 mm)
												CC = colour
				DG								dark grey
				LG								light grey*
												T = edge thickness
					C							constant
					L							low*
												EE = cables exit
							ER					edge right
							EL					edge left
							BR					beneath right
							BL					beneath left
												FF = frequency band
									EU			ETSI
									US			FCC
												Model
											200	model number

* light grey color and low edge thickness are only available for AdvanMat with fabric finish

Examples:

ADMT-RLDGL-ER-EU-200:

- AdvanMat **R**ough texture fabric finish
- **L**arge size
- **D**ark **G**rey
- **L**ow thickness edge
- cables exit through the **E**dge and on the **R**ight
- **ETSI** frequency band
- Model 200



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