

## WASHABLE ANTIBACTERIAL BLUE MAT

TECHNICAL INFORMATION DOCUMENT

PVC EXCON DB20AB

### TECHNICAL DATA

Thickness	3,0 ± 0,1 mm
Weight	3,40 kg/m <sup>2</sup> (±10%)
Hardness	72 ± 3 Shore A - Din 53505
Working Temperature (Long Term)	-10 / +70 °C
Working Temperature (Short Term)	-15 / +80 °C

### GENERAL CHARACTERISTICS

Antimicrobial Protection	ISO 22196: 2011
High Conductive	Iso 284& 21178
Food Approved	Fda 21 cfr & Eu 10/2011
Flame Retardant	Iso 430

## **The washable adhesive mat is made of antibacterial film which protected it permanently.**

- Made of PVC
- Suitable in all types of floor
- Anti-slip
- Impermeable surface
- Long lasting
- Suitable for weight wheeled traffic
- It prevents the growth of organisms
- Easy to clean
- Maximum height: 200cm
- Dimensions: on request
- Colour: blue
- It reduces the electrostatic charges
- Stickiness: High
- **Maintenance:** the cleaning is a very quick and easy process, with water, an antibacterial detergent and a squeegee.
- **Product life expectancy:** three years (to be used only for pedestrian and light wheeled traffic)
- **Use:** for pedestrian and light wheeled traffic due to its high resistance

### **Applications:**

- Clean rooms
- Hospitals
- Food industries

## Antibacterial properties:

The antibacterial properties of the surfaces are designed to prevent the growth of organisms. So, the organisms cannot be transferred during the transition. Tests have demonstrated that the active substances are effective to neutralize rapidly many common organisms. Unlike other non-antimicrobial products, F10 / PVCEXCON DB20 AB provides a 100% protection due to its effective formula. The antibacterial properties are in accordance with ISO 22196: 2011.

<b>Name of Microorganisms</b>	<b>Inoculation of Microorganisms cfu/mL</b>	<b>U o</b>	<b>U t</b>	<b>At</b>	<b>Antibacterial Activity (R)</b>
<i>Staphylococcus aureus</i> ATCC 6538	6.4x10 <sup>5</sup> : 5.80	3.2x10 <sup>5</sup> : 5.50	1.6x10 <sup>4</sup> : 4.20	4.0x10 <sup>1</sup> : 1.60	2.60
<i>E. coli</i> ATCC 8739	6.3x10 <sup>5</sup> :5.79	4.5x10 <sup>5</sup> : 5.65	3.4x10 <sup>4</sup> : 4.53	3.0x10 <sup>1</sup> : 1.47	3.06

Uo	Average of logarithmic numbers of viable bacteria after inoculation on untreated test pieces (0. hour) cfu/mL
Ut	Average of logarithmic numbers of viable bacteria after inoculation on untreated test pieces after 24h. cfu/mL
At	Average of logarithmic numbers of viable bacteria after inoculation on antibacterial test pieces after 24h. cfu/mL
R	$R = (U_t - U_0) - (A_t - U_0) = U_t - A_t$

- Effective antibacterial technology which protects against dangerous bacteria as *Staphylococcus Aureus* and *E.coli*.
- The film had been soaked in the antibacterial fluid in order to provide the maximum protection.
- Non-toxic ingredients due to the FDA standard.
- In accordance with the regulations on biocides.
- Non-phthalates ingredients.