

## MasterTop® 1324 ESD

Polyurethane based, antistatic, low emission, flooring system, with smooth coating, for industrial floors with low to medium loads, where some crack bridging properties and especial performance of ESD are desired (IEC 61340-5-1)

### DESCRIPTION

**MasterTop® 1324 ESD**, is polyurethane based, antistatic, low emission, flooring system, with smooth coating, for industrial floors with low to medium loads, where some crack bridging properties and especial performance of Electro Static Discharge properties are desired

### FIELDS OF APPLICATION

- Operation Rooms,
- Aircraft hangars,
- Places where electronic components are produced, stored and used,

### FEATURES AND BENEFITS

- Easy to apply.
- Perfect antistatic coating properties after fully cured.
- Has high mechanical and chemical resistance.
- Surface structure that does not allow the formation of microbes.
- Easily cleaned to create hygienic environments.

### WATCH POINTS

- Avoid application under excessive heat or wind and/or when the ambient and/or substrate temperature is below +10 or above +30°C.
- The materials to be used at the appropriate temperatures should be brought and stored in the application area 1-2 days prior to the application and enabled to adjust the ambient conditions.
- In extremely cold conditions, heaters should be used to increase the ambient and the workability of the product, the packages should be preconditioned to +20 - +25°C to become ready to use.
- Epoxy and polyurethane based floor coatings should be applied by specialists.
- The reaction and workability times of resin based systems depend on the ambient and substrate temperatures as well as the relative humidity. Under lower temperatures, the chemical reaction times are prolonged and this increases the pot life, coating interval and the working time. In addition to this, the consumption is increased as the viscosity increases. High temperatures ignite stronger chemical reactions and the above mentioned times decrease accordingly. For the material to be cured properly, the ambient and the substrate temperatures should not fall below the specified limits. After the application, the Material should be protected from direct contact with water for 24 hours minimum. Within this period, a contact with water may cause a surface carbonation and/or tackiness; both of which will cause the coating to lose its characteristics. In such cases, the overall coating should be removed from the floor and renewed.

- The empty packs should be consolidated and disposed properly in order to prevent reusing of the packages.
- For detailed information about how to use the products, the Technical Product Information Brochures should be referred.

### DISCLAIMER

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### CONTACT INFORMATION

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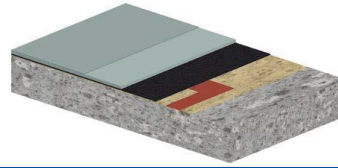
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**MasterTop® 1324 ESD** Technical Data Sheet -Revision  
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# MasterTop<sup>®</sup> 1324 ESD

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## TECHNICAL CHARACTERISTICS

		Consumption	
	<b>Primer</b>	<b>MasterTop P 617</b> Clear, EP, 2 component, non-solvented (total solid)	0.3 – 0.5 kg/m <sup>2</sup>
	<b>Optional/ Scratch primer To 1 mm roughness</b>	<b>MasterTop P 617</b> Filled 1:0,5 with oven dried silica sand, size 0,1-0,3 mm	0.6 – 1.0 kg/m <sup>2*</sup>
	<b>Grounding</b>	Distance max. 10m between copper strips (f. ex. With copper strips self-adhesive), copper strips must be earthed by a copper cable (4 mm <sup>2</sup> )	
	<b>Conductive Primer</b>	<b>MasterTop P 687 W AS</b> Black, EP, 2-component, water borne	0.08 – 0.10 kg/m <sup>2</sup>
	<b>Body coat</b>	<b>MasterTop BC 375 N AS **</b> PUR, 2-component, pigmented, non-solvented, low emission, antistatic	2.0 – 2.5 kg/m <sup>2</sup>
	<b>ESD Top coat***</b>	<b>MasterTop TC 409 W ESD</b> PUR, 2-component, pigmented, water borne, UV- resistant, matt	0.15 – 0.18 kg/m <sup>2</sup>
	<b>Total thickness of The system</b>	Ca. 2.0 – 3.0 mm	

**Note:** Where re-coating interval will be exceeded or where heavy loads system the primer must be broadcasted. Before copper strips are glued, the sanded surface must be grinded in this area. As well as waste produced during application.

\* Total including filler (sand)

Resistance to ground :10<sup>4</sup> – 10<sup>6</sup> Ohm (EN 1081)

Rg < 10<sup>9</sup>Ohm (Test procedure: IEC 61340-4-1)\*\*

Walking-test :Body voltage < +/- 100 V (IEC 61340-4-5)\*\*

Footwear/Person/Floor :Rg < 3.5 10<sup>7</sup> Ohm (Test procedure: IEC 61340-4-5)\*\*