

# ROMPOX<sup>®</sup> 1107 ESD coating acc. to DIN EN 61340 part 4-1/4-5/5-1/5-2

Solvent free, electrically conductive, pigmented 2 component epoxy resin system

Item	Description	Quantity Unit	Unit price €/Unit	Total price €
1.	<p><b>Preparation work on cement bound and metal surfaces:</b> The surface must be even, dry and free of oil, grease and dust. Loose particles and other dirt must be removed. In most cases, the surface should be shotpeened and then primed. In some cases it may be necessary to carry out grinding or milling. The minimum adhesion strength of the concrete needs to be &gt; 1,5 N/mm<sup>2</sup>. Residual moisture must be &lt; 4% (CM machine). The concrete surface must be evened out using ROMPOX<sup>®</sup> 1505 as either a primer or scraping filler, in order to achieve an extremely smooth surface. Cement surfaces with a high residual moisture ≤ (6%) must be treated with ROMPOX<sup>®</sup> 1506. Highly porous surfaces need to be primed twice! Metal surfaces should be treated according to the Swedish norm SA 2 ½ and then primed with ROMPOX<sup>®</sup> 1101.</p>			-on the part of the contractor-
2.	<p><b>Priming of cement bound surfaces:</b> A high quality, solvent free, epoxy resin primer is applied to the prepared surface using a 1 lip rubber squeegee and a fur roller.</p> <p>Material: <b>ROMPOX<sup>®</sup> 1505 Standard primer</b> Consumption: 0,3 kg/m<sup>2</sup> Price: €/kg</p>		0,00	0,00
3.	<p><b>If required, primer for cement bound surfaces with increased residual moisture ≤ (6%):</b> Onto the prepared surface, apply a high quality, solvent free epoxy resin primer using a one lip rubber squeegee and then a fur roller.</p> <p>Material: <b>ROMPOX<sup>®</sup> 1506 Mortar resin</b> Consumption: 0,3 kg/m<sup>2</sup> Price: €/kg</p>		0,00	0,00
4.	<p><b>Scraping filler (if required):</b> ROMPOX 1107 ESD coating needs an extremely even surface. That is why the following scraping filler is required, even with only slight surface roughness. The scraping filler is applied using a 1 lip rubber squeegee and a fur roller.</p> <p>Material: <b>ROMPOX<sup>®</sup> 1505 Standard primer</b> Consumption: approx. 0,5 kg/m<sup>2</sup> binding agent per mm layer thickness with <b>ROMEX<sup>®</sup> 3209 filler material</b> 1:1,5 mixed Price: €/kg</p>		0,00	0,00
<b>Cost of materials</b>			<b>0,00</b>	<b>0,00</b>

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<b>Carried over from page 1</b>				
5.	<p><b>Copper wire:</b> Stick ROMPOX 1106 ESD copper wire onto the primer. For every 400m<sup>2</sup> of surface area, stick copper wires to the 4 surface corners (20 cm each on the floor and 20 cm each on the wall). Make connections between the copper wires and earthing wire. Protect these against mechanical damage.</p> <p>Material: <b>ROMPOX<sup>®</sup> 1106 ESD copper wire</b> Consumption: 0,004 running metre /m<sup>2</sup> Price: €/m</p>		0,00	0,00
6.	<p><b>ESD conductive paint</b> After laying the copper wire, black conductive paint is applied, which ensures the discharge of static electricity from the top layer to the ESD copper wires. The conductive paint is applied using a fur roller.</p> <p>Material: <b>ROMPOX<sup>®</sup> 1104 ESD conductive paint</b> Consumption: 0,200 kg/m<sup>2</sup> Price: €/kg</p>		0,00	0,00
7.	<p><b>Electrically conductive coating (ESD):</b> Application of a coloured, electrostatically conductive, epoxy resin based coating using a squeegee or smoothing trowel. 1,0 mm min. consumption with 1,6 kg/m<sup>2</sup> 1,5 mm for improved abrasion resistance with 2,4 kg/m<sup>2</sup> 2,0 mm for heavy loads with 3,2 kg/m<sup>2</sup></p> <p>Material: <b>ROMPOX<sup>®</sup> 1107 ESD coating conductive coating</b> Colour: (many standard colours and light Colours up to approx. RAL 9001 cream, are available. Special colours on request) Consumption: 1,6 kg/m<sup>2</sup> Price: €/kg</p> <p>After application of ROMPOX<sup>®</sup> 1107 conductive coating, the whole surface needs to be areated using a metal pinfeed platen.</p>		0,00	0,00
8.	<p><b>Cleaning:</b> After 48 hours at 20° C, the ESD coating must be cleaned using the basic cleaning agent ROMEX 3220 (mixing ratio 1 : 20 with clear water), in order to remove any additives that may have surfaced. Cleaning can be done using a mop or machine (see separate cleaning instructions).</p> <p>Material: <b>ROMEX<sup>®</sup> 3220 basic cleaning agent</b> (mixing ratio 1 : 20 with clear water) Consumption: approx. 1 litre for 400 m<sup>2</sup> Price: €/kg</p>		0,00	0,00
<b>Cost of materials</b>			0,00	0,00

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Item	Description	Quantity Unit	Unit price €/Unit	Total price €
<b>Carried over from page 2</b>				
9.	<p><b>Measuring of ESD suitability:</b> The ESD suitability is tested by authorised, independent institutes and then certified. Testing criteria are:</p> <p>Measuring of resistance to earth: DIN 61340-4-1 System check „human-shoe-floor“: DIN 61340-5-1/5-2 Measuring of conductivity time (static decay) from 1.000 V to 50: DIN 61340-5-1/5-2 Walking test, measuring of body tension: DIN 61340-4-5 and DIN 61340-5-1/5-2</p> <p>Price: €/m<sup>2</sup></p>		0,00	0,00
10.	<p><b>Chief technical supervision:</b> The complete coating work using the <b>ROMPOX® 1107 ESD coating</b> system is supervised by a ROMEX® AG technical supervisor.</p> <p>Lump sum travel costs: 1.200,00 € German chief technical supervision per day: 520,00 € Local chief technical supervision per day: 280,00 €</p>		0,00	0,00
11.	<p><b>Signing (if required):</b> On request, signs and markings can be incorporated into the coating, showing that there is an ESD protected area. The sign is available in the following sizes: 30 x 40 cm, 25 x 15 cm and 20 x 15 cm (all 0,8 mm thick). The sign says: „ATTENTION – observe regulations for use – electrostatic risk to building components.“</p> <p>Material: aluminium sign Consumption: 1 per entryway Price: €/item</p>		0,00	0,00
12.	<p><b>Labour costs:</b></p> <ul style="list-style-type: none"> <li>- Building site preparation/tools and equipment</li> <li>- Priming</li> <li>- Scraping filling</li> <li>- Sticking of ESD copper wires</li> <li>- Roller application of ESD paint</li> <li>- Application of electrostatically conductive coating</li> </ul> <p>Final cleaning</p>		0,00	0,00
<b>Total cost</b>			0,00	0,00

Our recommendations, which are given to assist buyers & endusers, are based on our experience and correspond to the current levels of knowledge in science and practice, however they are not binding and have no legal force. It is recommended adapting methods and quantities of product to the local needs. If necessary a sample surface should be laid beforehand.

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