

FREOPOX-Powder Coating

PE2204A

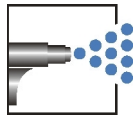
Characteristics	■ Powder coating primer for high corrosion protection ■ Application, e.g. in the mechanical engineering and plant construction sector ■ glossy, smooth ■ Very good corrosion protection (tested in acc. with DIN EN ISO 12944) ■ Good mechanical resistance and surface hardness												
System Coating	■ System Liquid Coating For various applications, there are coatings available, whose optical appearance regarding colour, gloss degree and surface is in optimum balance.												
Technical / Physical Data	<table> <tr> <td>■ Binder-Base</td><td>epoxy resin</td></tr> <tr> <td>■ Colour</td><td>all common colour shades</td></tr> <tr> <td>■ Gloss value DIN EN ISO 2813</td><td>glossy 70-85 geometry 60°</td></tr> <tr> <td>■ Test layer thickness</td><td>70 µm by colour RAL 7035</td></tr> <tr> <td>■ Density calculated</td><td>1,2-1,7 g/cm³ colour-dependent</td></tr> <tr> <td>■ Material usage</td><td>0,10 kg/m² with 70 µm mean test layer thickness</td></tr> </table>	■ Binder-Base	epoxy resin	■ Colour	all common colour shades	■ Gloss value DIN EN ISO 2813	glossy 70-85 geometry 60°	■ Test layer thickness	70 µm by colour RAL 7035	■ Density calculated	1,2-1,7 g/cm³ colour-dependent	■ Material usage	0,10 kg/m² with 70 µm mean test layer thickness
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Our technical data sheets are to provide you with advice based on our latest state of knowledge. This guidance does not release you from your own obligation to test our products for their suitability for your intended purposes and applications. The sale of our products is in accordance with our terms of business and delivery.

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IATF 16949
EMAS

Emil Frei GmbH & Co. KG
Döggingen
Am Bahnhof 6
78199 Bräunlingen | GERMANY
Phone +49 [0] 7707.151-0
Fax +49 [0] 7707.151-238
www.freilacke.de
info@freilacke.de



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	■ Touch-up coating: on enquiry ■ Health & Safety at Work guidelines The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet.																																																											
Curing	■ Object temperature Recommended baking temperature 10 min./160 °C Baking window tested in colour shade RAL 7035 green cross-hatching = baking conditions with good final properties <table><tr><td>Objekt Temperatur °C Object Temperature °C</td><td>150</td><td>160</td><td>180</td><td>200</td><td></td></tr><tr><td>Haltezeit Minimum Minuten Holding time minimum Minutes</td><td>15</td><td>10</td><td>7</td><td>4</td><td></td></tr><tr><td>Haltezeit Maximum Minuten Holding time maximum Minutes</td><td>60</td><td>51</td><td>33</td><td>15</td><td></td></tr></table> <table><tr><td>T [°C]</td><td>210</td><td>200</td><td>190</td><td>180</td><td>170</td><td>160</td><td>150</td><td>140</td></tr><tr><td>t [min]</td><td>0</td><td>2</td><td>4</td><td>6</td><td>8</td><td>10</td><td>12</td><td>14</td><td>16</td><td>18</td><td>20</td><td>22</td><td>24</td><td>26</td><td>28</td><td>30</td><td>32</td><td>34</td><td>36</td><td>38</td><td>40</td><td>42</td><td>44</td><td>46</td><td>48</td><td>50</td><td>52</td><td>54</td><td>56</td><td>58</td><td>60</td></tr></table>	Objekt Temperatur °C Object Temperature °C	150	160	180	200		Haltezeit Minimum Minuten Holding time minimum Minutes	15	10	7	4		Haltezeit Maximum Minuten Holding time maximum Minutes	60	51	33	15		T [°C]	210	200	190	180	170	160	150	140	t [min]	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
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Resistance to storage	■ Approx. 36 month in original packagings at an ambient temperature of 5 to 25 °C. Powder coatings must be stored in a cool and dry place. The minimum storage stability of each batch is stated on the product label. The material does not necessarily become unusable if stored for longer than this period. However, for quality assurance purposes, an inspection of these materials is essential to ensure that they are still suitable for the intended application.																																																											
Specific comments	■ Protective screening: 160 µm ■ Compatibility with other powder coatings: Needs to be checked ■ Test conditions All information is based on a standard climate 23/50 DIN EN 23270. All information is based on our product knowledge an experience. We have no direct influence on the application itself. Please do not hesitate to contact us for further information. The information provided here contains reference values and does not constitute a specification.																																																											