



# Epoxy Self Smoothing System with Performance Seal

FeRFA Type 5 System  
DFT = 2-3mm



### Typical Areas of Use

- Workshops
- Hospitals
- Clean Rooms
- Laboratories
- Warehouses
- Aircraft Hangars
- Chemical Processing
- Shopping Centres
- Pharmaceutical Production
- Automotive Production
- Aerospace Production

1. Surface preparation by suitable mechanical means such as diamond grinding or captive shot blasting.
2. Apply 2 coats of primer resin, e.g. Epoxy ST100 / Epoxy MT100 etc. The selection of primer is based upon the condition of the substrate. Seek guidance from Remmers UK technical department.
3. Application by steel trowel or pin/toothed rake, 2-3mm of Epoxy Flex PH filled with Quartz 01/03 between 1:0.7 – 1:1 by weight. The exact fill ratio is dependant on application temperatures at the time of installation.
4. Apply a finishing coat of PUR Top M+ by short pile PUR Roller.

### System Properties:

• 100% Solids / solvent free	• Crack Bridging
• Abrasion - 0.012g Taber CS10	• Slip Resistant R10-R11
• Fire Tested EN13501-1 B <sub>fl</sub> - S1	• Shore D 80 (28 Days)
• Compressive Strength >70N/mm <sup>2</sup>	• Satin Finish
• Nuclear Approved - DIN 25415	• Highly Acid and Fuel Resistant
• Excellent UV Stability	• Non Taint / Food Safe

### Suitable for Surfaces

Clean concrete without surface sealer	
Prepared concrete and screeds	
Well adhered existing coating, subject to trial.	
Surfaces prepared by hand grinding	



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Item	Operation	Material / m <sup>2</sup>
1	<p><b>Surface Preparation</b></p> <p>The substrate shall be prepared by suitable means to remove all contaminants and weakness to give a clean, sound load-bearing surface. If over coating an existing finish a trial shall be conducted to assess bond.</p>	
2	<p><b>Primer Coats</b></p> <p>The surface is coated with Remmers Epoxy Primer in 2 coats to ensure the substrate surface is completely sealed before applying the toppings. Primer selection is made after assessment of the substrate for strength, moisture and type. Typical examples for use are Epoxy ST100 / Epoxy MT100 / Epoxy FAS100.</p>	0.30 kg/m <sup>2</sup> per coat
3	<p><b>Self Smoothing topping</b></p> <p>The primed surface is overlaid with Epoxy Flex PH filled as flow system to the desired thickness. Apply by trowel pin rake or toothed rake and spike roller in two directions to release air and give a smooth surface. Addition of Accelerator PH can be made (2-4%) to reduce walk on time to 4 hours</p> <p>Optional seal coats can be applied to increases slip, scratch and chemical resistance. Seek advice from Remmers UK technical department.</p>	2mm 3.6kg/m <sup>2</sup> 3mm 5.4kg/m <sup>2</sup>
4	<p><b>Performance Seal Coat</b></p> <p>For exceptional abrasion and chemical resistance, apply a final seal coat of PUR Top M+ UV absorbing seal coat by short pile PUR Roller. Ensure the materials is cross rolled at 90° to achieve an even appearance.</p>	0.12kg/m <sup>2</sup>
<b>Total</b>		

**Notes:** Application rates and coverage are theoretical and do not allow for surface profile variation, wastage or variation in application technique. In the case of high substrate roughness you should allow for additional levelling material to be used.