

Technical Datasheet

Highprime 210 Fast

LPK2250

PRODUCT INFO

Product Description:

Highprime 210 is a high build, fast drying direct to metal 2K Epoxy Primer. It is suitable for both wet on wet and sanding application. It is Chromate and Lead free, ready for use, with excellent corrosion protection. Suitable for both for air-dry and force-dry applications.

Substrates:

Iron, steel, stainless steel, galvanized steel, solvent resistant surfaces, aluminium, GRP and sanded original and old paintwork.

Preparation:

Sand-blasting according to EN ISO 12944, Sa 2,5 is recommended. For galvanized steel sweep-blasting is recommended. Alternatively flat thoroughly using P80 – P240 dry eccentric sanding. The durability of the coating system largely depends on the thoroughness of the preparation of the surface.

Cleaning:

Surface must be dry and free from any contamination, e.g. oil, grease, release agents. Degrease with metal cleaner, solvent-thinner, silicon remover or industrial cleaners. Thorough cleaning is indicated by water-break free surfaces after rinsing.

Recoating:

May be recoated with Valspar R-Cure / Valthane topcoats.

Physical properties:






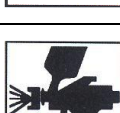


Chemical base	Epoxy
Specific Gravity	1.46 (Base only)
Mixed Volume Solids (%)	42%
Pot life (+20°C)	approx. 6 – 8 hours
Coverage (m ² / litre)	approx. 8 – 9 m ² / litre (@ 50µm DFT)
Gloss	Matt
Colour	Light grey
Processing temperature	+8°C till max. +40°C, max. Humidity 85%

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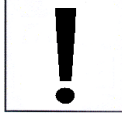
APPLICATION DATA

	<p>Cleaning</p> <p>With appropriate cleaners</p>	Surface must be dry and free from any contamination, e.g. oil, grease, release agents	
	<p>Preparing</p> <p>Substrates must be sandblasted or other kind of blasting systems or alternatively sanded.</p>	Sa 2,5 according to EN ISO 12944, part 4 Sanded systems P80 – P240	
	<p>Before use</p> <p>The product must be mixed thoroughly before and directly after the hardener has been added. Please note this primer forms a gel structure when unmixed, but will readily flow out once mixed.</p>		
	<p>Mixing ratio (by volume)</p>	<p>LPK2250 Highprime 210 Fast</p> <p>LXC8255 Highprime 210 Fast Hardener</p> <p>LRC9154 PU Medium Reducer</p>	<p>4 parts</p> <p>1 part</p> <p>10 – 20%</p>
	<p>Viscosity</p> <p>20 – 25 sec. Ford 4 @ 25°C (wet on wet version)</p> <p>25 – 35 sec. Ford 4 @25°C (sanding version)</p>		
	<p>Gravity or Suction Feed</p> <p>Nozzle set</p> <p>Spray gun Pressure</p> <p>HVLP (Air cap pressure)</p> <p>Airless / Airmix</p>	<p>1.5 – 1.9 mm</p> <p>3.0 – 4.5 bar</p> <p>0.7 bar</p> <p>See manufacturer info</p>	
	<p>Application</p> <p>DFT</p>	<p>Wet-on-wet version</p> <p>1 Full Coat</p> <p>45 – 60µm</p>	<p>Sanding version</p> <p>2 Full Coats</p> <p>80 – 150µm</p>
	<p>Between coats: 25°C</p>	N/A	5 – 10 minutes
	<p>Before baking: 25°C</p>		10 minutes before force-dry

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	<p>Air-dry: 25°C (depending on total DFT)</p>	<p>Dust free: 30 minutes Dry to sand: 2 – 4 hours</p>
	<p>Force-dry: 60 – 70°C</p> <p>Recoatable: By wet/wet after 15 minutes at 25°C until 5 days for topcoat application, or 21 days for another coat of primer (provided the primer surface remains clean and chalk free). After 5 days, the primer needs to be sanded before topcoat application.</p>	<p>30 – 40 minutes (ensure part temp reaches 60°C)</p> <p>Compatible Topcoats Multi Plus / Valthane 520 / Valthane 500 / R-Cure range</p>
	<p>Use suitable respiratory protection (we recommend the use of a fresh air supply respirator).</p>	
	<p>Precautions: During application all health and safety measures referring to the use and handling of coating materials are to be observed, e. g. existing regulations issued by the trade associations in the Chemical Industry. For Health and Safety information please refer the Material Safety Datasheet (MSDS).</p> <p>Note: The products listed are intended only for the professional user and for professional use. All recommendations in words and writing given on the use of our products to customers or users are not binding and do not give reasons for secondary obligations resulting from the bill of sale. Every care is taken to ensure that the technical information provided is accurate and up to date according to the present state of knowledge in science and our experience. These recommendations do not, however, exempt the customer from autonomously checking whether our products are suitable for the intend purpose. The durability of the coating system largely depends on the thorough preparation of the surface. Furthermore our universal terms of delivery and payment are applicable.</p> <p>With the publication of this Technical Data Sheet all previous versions regarding this product are no longer valid.</p>	