EMEAI Valspar bv
Zuiveringweg 89
8243 PE Lelystad
The Netherlands
Tel. +31 (0) 320292200
www.valsparindustrialmix.com

FP510 HS Surfacer Performance - Grey FP510 / UK

Product Information

Product Description:
FP510 HS Surfacer Performance - Grey is a high performance 2-pack Acrylic Surfacer. This product has been designed for high build modes up to 150µm, easy to spray, with air- and force dry capabilities, excellent in mechanical sanding, VOC compliant to current European VOC legislation of less than 540g/L. This product is not for use directly to metal, apply a suitable VIM Primer adhesion and higher corrosion resistance, for spot-, panel- and overall repair.

Note: Do not use FP510 HS Surfacer Performance over: Thermoplastic- or Synthetic finishes.

Preparation:
For more detailed information go-to TI-Substrate and Pre-treatment on Colour Retrieval System (CRS) or website www.valsparindustrialmix.com/emea/en/.

Substrates: Solvent resistant surfaces, cleaned/sanded/hardened original and cured coatings, E-coat, Pre-prime steel, cast iron, galvanized steel, aluminum also Polyester putty and glass fiber reinforced plastics.
Plastic: Use FP600 Plastic Primer (adhesion test recommended)
Paint finishes: P240 eccentrically (Please, regularly check and change abrasive paper)
Sanding: Final sanding before Topcoat application P360 – P500
Cleaning: Surface must be dry and free from any contamination, e.g. oil, grease & release agents. Use AD690 Degreaser Solvent Based

Material Description: FP510				
Application Method	Minimum DFT µm	Maximum DFT µm	Minimum WFT µm	Maximum WFT µm *
Spraying equipment	50µm	150µm	70µm	200µm

Pre-prime: Use FP640 Etch Primer, FP400/401/440 Epoxy Primer or FP500/PB500 PU Primer DTM

Topcoat: Recoat from a range of Valspar Industrial Mix PU Topcoats: TB500 VOC compliant or TB510/511/512/520/530/532
More detailed information go-to Technical Data Sheet.

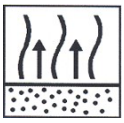
Physical properties:

Chemical base	2-pack hydroxyl acrylic resins	
Density (kg/l)	1,600 (Surfacer)	1,410 (RFU)
Volume solids (%)	51.2%	43,6%
Weight Solids (%)	73.5%	64.6%
Flash point	27°C	
Pot life (+20°C)	20-30 min. or with RS610 40-60 min.	
Shelf life	Min. 24 month under normal storage conditions and unopened tins	
Coverage (m²)	Approx. 10,5m² 40µm DFT (100% transfer efficiency)	
Gloss	Matt	
Color	Grey	
Temperature Stability	Dry Heat up to 140°C	
VOC (g/l)	Max. 510g/l see CRS (VOC: 2004/42/IIB(c)540g/l)	
Processing temperature	+10°C till max. +40°C, max. Humidity 85%	

EMEAI Valspar bv
Zuiveringweg 89
8243 PE Lelystad
The Netherlands
Tel. +31 (0) 320292200
www.valsparindustrialmix.com

FP510 HS Surfacer Performance - Grey — FP510 / UK

Application Data

 	**Preparation/ Cleaning:**	**All surfaces must be properly sanded and cleaned** Paint finishes: P240 Polyester putty: P240 Cleaning: AD690 Degreaser Solvent Based Surface must be dry and free from any contamination, e.g. oil, grease	
	**Before use/ spraying:**	1. Mix mechanically (paint shaker/ mechanical stirrer) 2. Add Activator and Reducer 3. Stir this mixture well with a mixing stick or a (pneumatic) stirrer	
 	**Mixing ratio with Activator and Reducer:** (By volume)	FP510 HS Surfacer Performance - Grey AU500 PU Activator RS603 or 605/607/609 Universal Reducer or RS610 Extended Potlife Reducer	7 parts 1 part add 10 – 25%
	or	FP510 HS Surfacer Performance - Grey AU577 HS Activator Extra Fast or AU576 HS Activator Fast or AU575 HS Activator Medium or AU574 HS Activator Slow RS605/607/609 Universal Reducer or RS610 Extended Potlife Reducer	6 parts 1 part add 10 – 25%
		With RS610 is the pot life (20°C) of the RFU product 40-60 minutes!	
	Mix stick:	Use the Mixing stick **M3 6:1** (74-203 = 5:1/6:1) or **M6 Universal cm-stick** (74-206 standard) / **M7** (74-207 large)	
	**Viscosity:** 20 – 26 sec. (DIN4/20°C)		
	**Gravity or Suction Feed:** Nozzle set Spray gun “High pressure” Spray gun “Reduce pressure” HVLP (Air cap pressure) Airless/Airmix Pressure Pot	 1.4 – 1.7 mm 3.0 – 4.5 bar (42 – 65 psi) 1.5 – 2.5 bar (21 – 36 psi) 0.7 bar (10 psi) maximum Not recommended 1.0 – 1.5 mm	
	**Application:** **Film Thickness:** (recommended 50 – 100µm)	**Option 1:** ½ coat followed by 1 full coat 50 – 80µm (DFT)	**Option 2:** 1 full closed coat followed by 1-2 full coat 80 – 150µm (DFT)
	**Between coats at 20°C:** **Before baking at 20°C:**	5 – 10 minutes 10 minutes	10 minutes 10 minutes
	**Clean up:** (Check the local regulations!)	RS605/607/609 Universal Reducer or Gun cleaner (solvent)	

EMEAI Valspar bv
Zuiveringweg 89
8243 PE Lelystad
The Netherlands
Tel. +31 (0) 320292200
www.valsparindustrialmix.com

FP510 HS Surfacer Performance - Grey FP510 / UK

	Drying and curing is according to use of the wide range of Activator and Reducer.	
	Air–dry at 20°C:	**Dust Free:** 15 minutes **Dry:** 2 – 6 hours
	Force–dry:	20 – 40 minutes / 60°C object temperature
	**IR–dry:**	12 – 15 minutes (The panel must not exceed 90°C)
	**Use suitable respiratory protection (air fed respirator is strongly recommended).**	
	**Recoatable (PU Topcoat):**	TB500/510/511/512/520/520/530/532 (PU Topcoats) (See Technical Data Sheet) Non-sanding: After min. 30 min./20°C <40µm Or 2-4 hours/20°C 80-120µm After 8 hours and IR- or force drying - Sanding required (P360-P500 or scuff pad)
	**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). Information also available on our webpage: www.valsparindustrialmix.com/emea/en/	
	Note: The products listed are intended only for the professional user and for professional use. All recommendations given in writing 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 uniform terms of delivery and payment are applicable.	
	With the publication of this Technical Data Sheet all previous versions regarding this product are no longer valid.	