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

Product Information

Product Description:
FP300 is a 1K Synthetic Primer DTM (direct to metal) grey with corrosion protection and adhesion properties. This product is recommended for wet on wet application, air- and force dry capabilities.

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

Substrates:

Iron, steel, cast iron, galvanized steel, aluminum, glass fiber reinforced plastics (GRP).
Other: Solvent resistant surfaces, cleaned/sanded/hardened original and cured coatings.

Iron/steel: Abrasive shot blasting is recommended or dry sanding P80 – P180
Aluminum: P180 – P240
Galvanized: Sweep blasting recommended
Paint finishes: P240 – P320 (Please, check and change abrasive paper regularly as required)

Cleaning: Surface must be dry and free from any contamination, e.g. oil, grease, release agents. Use RS605/607/609 Universal Reducer for metal substrate and AD690 Solvent Degreaser for paint finishes.

Material Description: FP300				
Application Method	Minimum DFT µm	Maximum DFT µm	Minimum WFT µm	Maximum WFT µm *
Spraying equipment (Not-including airless/ airmix)	25µm	60µm	30µm	80µm

* Higher thicknesses possible if given extended drying times

Topcoat: Can be recoated with TB300 Synthetic Topcoat also in combination with AD300 Matting Agent and AD309 Synthetic High Build Additive.
For more detailed information go-to Technical Data Sheet (TB300/AD300/AD309).

Physical properties:

Chemical base	Synthetic
Density (kg/l)	1,456 (Binder)
Volume solids (%)	51.0%
Weight Solids (%)	71.0%
Flash point	26.5°C
Pot life (+20°C)	Approx. 24 hours (1K product)
Shelf life	Min. 24 month under normal storage conditions and unopened tins
Coverage (m²)	Approx. 9.5 – 10 m² 40µm (DFT)
Gloss	Matt
Color	Grey
Temperature Stability	Dry Heat up to 120°C
VOC (g/l)	Max. 470g/l see CRS (VOC: 2004/42/IIB(c)540g/l)
Processing temperature	+10°C till max. +40°C, max. Humidity 85%

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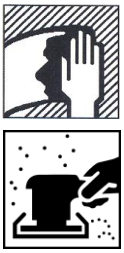
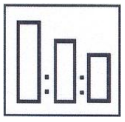
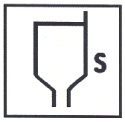
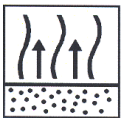
Application Data

	**Preparation/ Cleaning:**	**All surfaces must be properly shot blast or sanded and cleaned** Abrasive blast to EN ISO 12944, part 4 (SA 2.5) with a uniform blast profile of up to 30µm. Dry sanding Steel: P80 – P180 Aluminum: P180 – P240 Galvanized: Sweep blasting recommended Paint finishes: P240 – P320 Cleaning: RS605/607/609 (metal surface) or AD690 Solvent Degreaser (paint finishes) Surface must be dry and free from any contamination, e.g. oil, grease	
	**Handling:**	**Color preparation:** Not necessary	**Before use/spraying:** 1. Mix mechanically (paint shaker/ mechanical stirrer) 2. Add Reducer 3. Stir this mixture well with a mixing stick or a (pneumatic) stirrer
	**Mixing ratio with Reducer:** (By volume)	FP300 Synthetic **Primer** DTM grey RS300 Synthetic Reducer	100 parts 15 – 30 parts
	**Mix stick:**	Use the Mixing stick **M2 4:1** (74-202 = 3:1/4:1) or **M6 Universal cm-stick** (74-206 standard) / **M7** (74-207 large)	
	**Viscosity:** 20 – 28 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 – 1.5mm	
	**Application:** **Film Thickness:** (recommended 40 – 80µm)	**Option 1:** 1 full coat or ½ coat followed by 1 full coat 25 – 40µm (DFT)	**Option 2:** 1 full closed coat followed by 1 full closed coat 40 – 60µm (DFT)
	**Between coats at 20°C:** **Before baking at 20°C:**	5 minutes 10 minutes	5 – 10 minutes 10 minutes
	**Clean up:** (Check the local regulations!)	RS300 Synthetic-, RS605/607/609 Universal Reducer or Gun cleaner (solvent)	
	**Air–dry at 20°C:** **Force–dry:**	**Dust Free:** 25 – 30 minutes **Dry:** 6 – 8 hours 30 minutes / 60°C object temperature	

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	**IR–dry:**	12 – 15 minutes (The panel must not exceed 90°C)
	**Use suitable respiratory protection (air fed respirator strongly recommended).**	
	**Recoatable:** After min. 1hr/20°C <40µm	TB300 / TB300 + AD300 / TB300 + AD309 Synthetic Products (See Technical Data Sheet) After 48 hours: Sanding required (P280-P360 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	
	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.	