255 Lansdowne Road, Jacobs,
4052, KZN, South Africa
Tel: +27 (0)31 459 8400

Technical Datasheet

Superprime 4:1 MS Filler LPK1293

PRODUCT INFO

Product Description:
Superprime 4:1 MS Filler is a high build, fast drying 2K MS PU filler primer. It is Chromate and Lead free and suitable for both for air-dry and force-dry applications.

Substrates:
Mild steel or suitably primed metal and GRP substrates. Also suitable for sanded original and old paintwork.

Preparation:
Sand-blasting according to EN ISO 12944, Sa 2,5 is recommended, alternatively flat thoroughly using P120 – P240 dry eccentric sanding. For primed or original paintwork, flat thoroughly using P150 – 240 with 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 Sherwin Multi Plus / Valthane 520 topcoats.

Physical properties:

Chemical base	Polyurethane
Specific Gravity	1.40 (Base only)
Mixed Volume Solids (%)	41%
Pot life (23°C)	approx. 2 – 3 hours
Coverage (m^2 / litre)	approx.4.5 – 6 m^2 / litre (@ 80µm DFT)
Gloss	Matt
Colour	Light grey
Processing temperature	+8°C till max. +40°C, max. Humidity 85%

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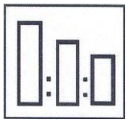
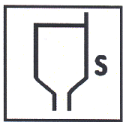
APPLICATION DATA

	**Cleaning** With appropriate cleaners	Surface must be dry and free from any contamination, e.g. oil, grease, release agents	
	**Preparing** Substrates must be sandblasted or other kind of blasting systems or alternatively sanded.	Sa 2,5 according to EN ISO 12944, part 4 Sanded systems P120 – P240 Primed surfaces – P150 – P240	
	**Before use** The product must be mixed thoroughly before and directly after the hardener has been added. Please note this primer forms a partial gel structure when unmixed, but will readily flow out once mixed.		
	**Mixing ratio with Activator and Reducer** (by volume)	**LPK1293** Superprime 4:1 MS Filler **LXC7294** Superprime MS Hardener **LRC9153** PU Fast Reducer or **LRC9154** PU Medium Reducer or **LRC9155** PU Slow Reducer	4 parts 1 part 5 – 15%
	Faster drying in low ambient temperatures:	**LAC9235** Accelerator (after Activator) *Will reduce pot life	*1 – 2%
	**Application Viscosity** 18 – 20 sec. Ford 4 @ 25°C		
	**Gravity or Suction Feed** Nozzle set Spray gun Pressure HVLP (Air cap pressure) Airless / Airmix	 1.4 – 1.8 mm 3.0 – 4.5 bar (Pressure at spray gun: 2.0 – 2.5 bar) 0.7 bar See manufacturer info	
	**Application** **DFT** Min 80µm	2 - 3 Full Coats 80 – 150µm	

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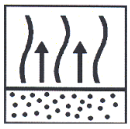	**Between coats: 25°C**	N/A	5 – 10 minutes
	Before baking: 25°C		10 minutes before force-dry
	**Air-dry: 23°C** (depending on total DFT)	Dust free: 10 - 15 minutes Dry to sand: *3 - 4 hours (@ 80µm DFT) *Can be reduced by addition of LAC9235 Accelerator	
	**Force-dry: 60 – 70°C**	30 – 40 minutes (ensure part temp reaches 60°C)	
	Recoatable: After 2 hours at 25°C until 3 days for topcoat application, or 7 days for another coat of primer (provided the primer surface remains clean and chalk free). After 3 days, the primer needs to be sanded before topcoat application.	**Compatible Topcoats** Multi Plus / Valthane 520 range	
	Use suitable respiratory protection (we recommend the use of a fresh air supply respirator).		
	**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).		
	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.		
	With the publication of this Technical Data Sheet all previous versions regarding this product are no longer valid.		