

Product Information

Product Description:

IME.AD300 Synthetic Matting Agent is specially developed for the adaptation of the degree of gloss in combination with IME.TB300 Synthetic Topcoat High Gloss. Max.30% IME.AD300 Synthetic Matting Agent can be added to IME.TB300 80% Binder + 20% Color Toner optional 70% Binder - 30% Color Toner (on low opacity colours). By adjusting the added % of Synthetic Matting Agent the gloss level of IME.TB300 Synthetic Topcoat High Gloss can be reduced from High Gloss to Semi Gloss or Matt. IME.TB300 Synthetic Topcoat High Gloss with an adapted gloss level gives excellent appearance. For Machinery, Industrial OEM and aftermarket repairs easy all Color Toners are chromate and lead free excellent air-dry and force-dry.

Substrates:

Iron, steel, cast iron, galvanized steel, aluminum.

Outdoor: Surfaces coated with Primer: IME.FP300, IME.PB300.

Other: Solvent resistant surfaces, sanded, cleaned original and old cure coatings.

Preparation:

PB300/TB300 Synthetic primer dry sanding: P320 – P400

Dry Sanding on substrate for wet on wet: P180-P280.

Galvanized: Sweep Blasting recommended.

(More Detailed information go-to Preparation and Pre-treatment on CRS or website www.valsparindustrialmix.com)

Material Description	Application Method	Minimum DFT μm	Maximum DFT μm	Minimum WFT μm	Maximum WFT μm
IME.AD300	Spray	40 μm	50 μm	55 μm	70 μm

Cleaning:

Metal substrate surface must be dry and free from any contamination, eg, oil, grease, release agents. Use IME.RS605/607/609 Universal Reducer, IME.AD690 Solvent Degreaser.

Primer surface must be dry and free from any contamination, eg, oil, grease, release agents. Use IME.AD690 Solvent Degreaser (More Detailed information go-to cleaning processes on CRS or website www.valsparindustrialmix.com)








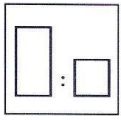
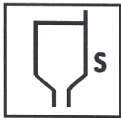
Note: IME.RS300 Reducer or IME.AS300 Synthetic Activator can be used. If you use IME.AS300 Synthetic Activator you improve the curing and the chemical resistance.



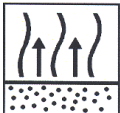



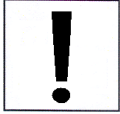
Physical properties:

Chemical base	Synthetic
Density (kg/l)	1,022 (IME.AD300)
Volume solids (%)	37.4%
Weight solids (%)	54%
Flash point	27.5°C
Pot life (+20°C)	approx. 3 – 4 hours*
Shelf life	min. 24 month under normal storage conditions and unopened tins
Coverage (m ² /kg)	approx. 9.5 – 10.5m ² (at 40 μm dry film thickness)*
Gloss	Variable, Semi Gloss to Matt
Color	See VIM - CRS
Temperature Stability	Dry Heat up to 120°C
VOC (g/l)	Max. 530g/l (VOC: 2004/42/IIB(e)840g/l(530))
Processing temperature	+10°C till max. +40°C, max. Humidity 85%

*Combination IME.TB300 Synthetic Topcoat High Gloss + IME.AD300 Synthetic Matting Agent

Application Data

	Cleaning	(Metal substrate surface only: IME.RS605/607/609 Universal Reducer) Primer surface use: IME.AD690 Solvent Degreaser Surface must be dry and free from any contamination, e.g. oil, grease					
	Before using The product must be shaken before and after adding the Color Toners and Dryer, thoroughly stirred directly after the Reducer (or/and Activator) have been added.						
	Mixing stick: Use the mixing stick M2 4:1 (M2 - 74-202 = 3:1/4:1) or M6 (74-206 standard) / M7 (74-207 large) Universal cm-stick						
	Mixing ratio with Color Toner, Matting Agent and Synthetic dryer (By volume)	IME.TB300 Synthetic Binder High Gloss IMU.CT1xx Color Toners (For mixing formula's see VIM CRS) IME.AA300 Synthetic Dryer IME.AD300 Synthetic Matting Agent	80 parts 20 parts or 3 parts (3%) + 10–25%	70 parts 30 parts 3 parts (3%) + 10–25%			
	For more matte finish	IME.AD300 Synthetic Matting Agent IME.AA300 Synthetic Dryer (add extra!)	+ 25–30% ½ - 1 part (1%) more				
	The Gloss data are approximate, they may change by ±5GU!						
	IME.AD300	0%	10%	15%	20%	25%	30%
	RAL 7047		85GU/20° 90GU/60°	40GU/20° 75GU/60°	30GU/20° 70GU/60°	55GU/60°	45GU/60° 35GU/60°
	RAL 7026		85GU/20° 90GU/60°	45GU/20° 80GU/60°	40GU/20° 75GU/60°	60GU/60°	50GU/60° 40GU/60°
	Mixing ratio with Reducer (By volume)		IME.TB300 Synthetic Topcoat plus IME.AD300 Synthetic High Build Additive (mixed) IME.RS300 Synthetic Reducer			4 parts + 15-30%	
	Or - Mixing ratio with Synthetic Activator and Reducer: (For higher chemical resistance)		IME.TB300 Synthetic Topcoat plus IME.AD300 Synthetic High Build Additive (mixed) IME.AS300 Synthetic Activator IME.RS300 Synthetic Reducer			4 parts 1 part + 0-10%	
	Viscosity 18 - 22 sec. (DIN4/20°C)						

	Gravity or Suction Feed Nozzle set Spray gun "High pressure" Spray gun "Reduce pressure" HVLP (Air cap pressure) Airless/Airmix	1,3 – 1,6 mm 3,0 – 4,5 bar (42 – 65 psi) 1,5 – 2,5 bar (21 – 36 psi) 0,7 bar (10 psi) maximum See info manufacturer
	Application: Film Thickness: (recommended 40-50µm)	1 closed coat followed by 1 full coat 40-50µm
	Between coats at 20°C: Before baking at 20°C:	10 – 15 minutes 15 minutes
	Air-dry at 20°C: Force-dry at 60°C:	Dust dry: 30 minutes Dry to assembly: 5 – 7 hours Dry: 24 hours 20 – 30 minutes Make sure: 60°C object temperature
	IR-dry:	Approx. 10 – 15 minutes (The panel must not reach a temperature above +90°C)
	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). 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 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 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.	