

Product Information

Product Description:

IME.PB300 is a tintable Synthetic Primer Binder DTM (direct to metal). IME.PB300 is a 1K corrosion protection primer with excellent adhesion properties air and force dry capabilities. Add 20% Color Toner to Binder IME.PB300 to create any color. All Toners are chromate and lead free.

Substrates:

All Iron, steel, cast iron, galvanized steel, aluminum.
Industrial OEM and solvent resistant surfaces, sanded, cleaned original and old cured coatings.

Preparation:

Dry Sanding: P150 – P240.

Galvanized: Sweep Blasting recommended.

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

Surface Preparation: Abrasive blast to EN ISO 12944, Part 4 (ISO Sa 2.5) with a uniform blast profile of 20 to 50µm.

| Material Description | Application Method | Minimum DFT µm | Maximum DFT µm | Minimum WFT µm | Maximum WFT µm |
|----------------------|--------------------|----------------|----------------|----------------|----------------|
| IME.FP300 | Spray | 25µm | 60µm | 35µm | 80µm |

*Product can be brushed and rolled.

Cleaning:

Surface must be dry and free from any contamination, e.g. oil, grease, release agents. Use IME.RS605/607/609 Universal Reducer, IME.AD690 Solvent Degreaser or Valspar Wax and Grease Remover.

(More Detailed information go-to cleaning processes on Icris/CRS or website www.valsparindustrialmix.com)






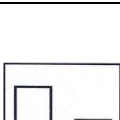
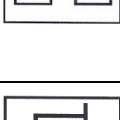
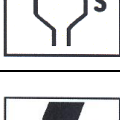

Recoating:

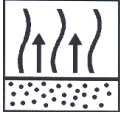





Can be recoated with IME.TB300 Synthetic Topcoat and TB500/20/40/43 PU Topcoats (see TDS)

Physical properties:

| | |
|----------------------------|---|
| Chemical base | Synthetic |
| Density (kg/l) | 1,455 kg/l |
| Volume solids (%) | 51% |
| Weight Solids (%) | 72% |
| Flash point | 27°C |
| Pot life (+20°C) | Approx. 24 hours (as 1K product) |
| Shelf life | Min. 24 month under normal storage conditions and unopened tins |
| Coverage (m ²) | Approx. 9.5 - 10.5m ² 40µm (DFT) |
| Gloss | Matt |
| Color | See VIM - CRS |
| Temperature Stability | Dry Heat up to 140°C |
| VOC (g/l) | (VOC: 2004/42/IIb(c)420g/l) |
| Processing temperature | +10°C till max. +40°C, max. Humidity 85% |

Application Data

| | | | |
|--|--|---|---|
|  | Cleaning: | IME.RS605/607/609 Universal Reducer IME.AD690 Solvent Degreaser Valspar Wax and Grease Remover Surface must be dry and free from any contamination, e.g. oil, grease | |
|  | Preparation: | Sanded systems: P150 – P240 Galvanized: Sweep blasting recommended Abrasive blast: AS 1627.4 Class 2.5 (ISO Sa 2.5) with a uniform blast profile of 20 to 50µm | |
|  | Before using: | The product must be shaken before adding the Color Toners and thoroughly stirred directly after the Activator and Reducer have been added. | |
|  | Mixing ratio with Color Toner: (By volume) | IME.PB300 Synthetic Primer Binder tintable IMU.CT Range of VIM Color Toners (For mixing formula's see VIM CRS) | 80 parts 20 parts |
|  | Mix stick: | Use the mixing stick M2 4:1 (M2 - 74-202 = 3:1/4:1) M6 (74-206 standard) / M7 (74-207 large) Universal cm-stick | |
|  | Mixing ratio with Reducer: (By volume) Higher chemical resistant | IME.FP300 Synthetic Primer DTM Grey IME.RS300 Synthetic Reducer or IME.AS300 Synthetic Activator IME.RS300 Synthetic Reducer | 100 parts 15-30 parts 25 parts + 0 – 10% |
|  | Viscosity: | 20 – 28 sec. (DIN cup 4 at 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 – 1.7mm 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 1.0 – 1.5mm |
|  | Application: Film Thickness: (recommended 40 – 60µm) | Option 1: wet on wet 1 full closed coat or ½ + 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 |
|  | Air-dry at 20°C: Force-dry at 60°C – 70°C: | Dust Free: 20 – 30 minutes Dry: 6 – 8 hours 10 – 20 minutes 60°C object temperature | |
|  | IR-dry: | 8 – 12 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). | | |
|  | Recoatable: Recoatable 1hr-24hrs at 20 °C | IME.TB300 Synthetic Topcoat and IME.TB5xx PU Topcoat (See Technical Data Sheet) After 24 hours: Sanding required | |
|  | <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). Information also available on our webpage: www.valsparindustrialmix.com</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 uniform 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> | | |