

TECHNICAL DATA SHEET

P1 BASE

23.10.2020

DESCRIPTION

1-component, multi-polymer technology, waterborne peelable paint for use straight on the OEM paint for solid, metallic and pearl colours. Suitable for use on cars, trucks and buses.

PRODUCTS

P1 BASE
P1 ADHESION PROMOTER

PROPERTIES

- Easy to spray and low sagging.
- Ready to spray out of the can (after mixing with pigments, pearls or metallic flakes for coloured applications).
- Gives a smooth, high build finish.
- VOC-free.
- Toxins-free.
- NON-hazardous.

SUBSTRATES

- All OEM and cured repair finishes.

ADHESION PROMOTER

- Designed to increase the adhesion of P1 Base to the vehicle painted parts.
- Add 1-4% to P1 Base for the first coat only. Subsequent coats do not require activation.
- NOTE: 1% has only a very slight increase in adhesion while 4% makes it have quite a strong adhesion. Please refer to your P1 dealer for exact figures as they are dependant on the climate of the country in which the product is used.

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Mixing ratio	Ready to use.			
Adhesion Promoter	10-40g per litre in the first coat alone.			
VOC	0 g/l.			
Pot life at 20°C after activation	1 hour			
Spray viscosity at 20°C	DIN 4 22 - 26s			
Spray equipment	Compliant guns (SATA 5000 B RP or similar)	Fluid tip	Distance	Pressure
	Gravity fed	1,2-1,4 mm	10-15 cm	2,2 bar
Number of coats	4 (1 activated and 3 regular).			
Coat overlap	60%			
Flash time	Not Applicable. Allow to fully dry in between coats. 10-20 min before bake			
DTF	20-25 microns per coat. Please ensure a minimum of 100 microns DFT before proceeding with clear application.			
Drying	5-15 min at 25°C			
This data relates only to the material designated herein and does not apply to use in combination with any other material or any process. The data is not to be considered as a warranty or quality specification and we assume no liability in connection with its use.				

SURFACE PREPARATION

1. Clean surface with water and soap preferably the day before. Rinse and dry.
2. Degrease with a correct preparatory cleaner. Wipe dry with a clean cloth.
3. Degrease with a correct final cleaner/degreaser. Wipe dry with a clean cloth.
4. Tack rag.

P1 BASE APPLICATION

Apply a minimum of 1 wet coat of P1 Base activated with 10-40g Adhesion Promoter followed by a minimum of 3 wet coats allowing a sufficient drying time in between coats. Overlap the coats 60%. The 4 coats can be left transparent or can be tinted with P1 Tints. Generally, P1 Base can be over-coated with regular car paint to obtain OEM colour matching solutions. Both water based and solvent based systems can be used but not all systems are compatible. For this reason it is advised to contact your local P1 distributor and enquire about the compatible systems.

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TOPCOAT APPLICATION

Only use P1 Coatings® topcoats, unless otherwise specified.
When base coats are fully dry, apply a topcoat. Maximum time before topcoating is 3 days.

EQUIPMENT CLEANING

Use clean water.

RECOATABILITY

At any time after drying.

REMARKS

- The use of P1 Coatings® Base and Adhesion Promoter will depend on external conditions. (relative humidity, air flow, temperature, ...).
- Please refer to your P1 dealer for the advised mixture ratio of Adhesion Promoter:Base.
- P1 Tints have to be thoroughly stirred before spraying.
- Material has to be stored in tightly closed containers and at temperatures between 5°C and 35°C.
- Material has to be at room temperature (18-25°C) before use.
- Must not freeze.
- Dry pigments can be diluted in small amounts of water prior to mixing with P1 Clear.

PRODUCT DATA

Theoretical coverage: 15-18 m²/l at recommended DFT - ready to spray.

All other products referred to in the paint system build-up are from P1 Coatings®. System properties will not be valid when the related material is used in combination with any other materials or additives not belonging to P1 Coatings®, unless explicitly indicated otherwise.

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