PITT-TECH PLUS EP ACRYLIC PRIMER

DESCRIPTION

One-component, low VOC, int./ext. DTM industrial primer

PRINCIPAL CHARACTERISTICS

- Excellent adhesion
- Easy to apply
- Low odor during application
- Flash rust resistant
- Rust Inhibitive direct-to-metal (DTM) primer and finish

COLOR AND GLOSS LEVEL

- Red Oxide Primer, White Primer/Finish, Gray Primer/Finish
- Flat

Note:

- White Primer/Finish may be tinted

BASIC DATA AT 20°C (68°F)

Data for product	
Number of components	One
Volume solids	39 ± 3%
VOC (Supplied)	max. 0.4 lb/US gal (approx. 50 g/l)
Temperature resistance (Continuous)	To 200°F (93°C)
Temperature resistance (Intermittent)	To 250°F (121°C)
Recommended dry film thickness	2.0 - 4.0 mils (50 - 100 µm) depending on system
Theoretical spreading rate	313 ft^2/US gal for 2.0 mils (7.8 m^2/l for 50 µm)
Shelf life	At least 36 months when stored cool and dry

Notes:

- See ADDITIONAL DATA – Overcoating intervals
- See ADDITIONAL DATA – Curing time
- Two coats are required for maximum protection and for applications where this product is used as a finish coat
- Discoloration will occur at high temperatures

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RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Coating performance is proportional to the degree of surface preparation. Refer to the application instructions for specifc primers and intermediate coats for application and curing procedures. Ensure epoxies are free from amine blush prior to overcoating. All previous coats must dry and free of contaminants. Adhere to all minimum and maximum topcoat times for specific primers and intermediate coats. Aged epoxy coatings require abrading prior to applying the product. A test patch over unknown coatings is recommended.

Steel

- Remove all rust, dirt, moisture, grease or other contaminants from the surface in accordance with SSPC SP-1
- Power tool clean in accordance with SSPC SP-3 or hand tool clean to SSPC SP-2 requirements. Alternately, abrasive blast to SSPC SP-7 requirements. Abrasive blasting to SSPC SP-6 or better is also allowable and will give the best possible system performance

Non-ferrous metals and galvanizing

- Remove oil or soap film with detergent or emulsion cleaner as per SSPC SP-1 and galvanizing requirements, then use a phosphatizing conversion coating
- Alternately, power tool clean to uniformly abrade the surface or lightly abrasive blast with a fine abrasive to produce a uniform and dense anchor profile of 1.0 – 2.0 mils (25 – 50 µm) in accordance with SSPC SP-16.
- Galvanizing that has had at least 12 months of exterior weathering may be coated after power washing to remove all contaminants and white rust
- Galvanized surfaces that have been passivated with a chromate treatment must be abrasive blasted. Coatings may not adhere to chromate sealed galvanizing if the chromates are not completely removed.

Concrete / Masonry

- Clean concrete surface, abrasive blast per ASTM D4259 or acid-etch in accordance with ASTM D 4260
- Fill concrete voids with AMERCOAT 965 or AMERCOAT 114 A
- Clean masonry surfaces by ASTM D4261
- Fill masonry block with AMERLOCK 400 BF block filler or PPG 4-100 acrylic block filler

Substrate temperature and application conditions

- Surface temperature during application should be between 40°F (4°C) and 120°F (49°C)
- Surface temperature during application should be at least 5°F (3°C) above dew point
- Ambient temperature during application and curing should be between 40°F (4°C) and 100°F (38°C)
- Relative humidity in excess of 85% will slow curing

INSTRUCTIONS FOR USE

- Agitate with a power mixer for 1 – 2 minutes until completely dispersed. Ensure good off-bottom mixing

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Application

- Area should be sheltered from airborne particulates and pollutants
- Avoid combustion gases or other sources of carbon dioxide that may promote ambering of light colors
- Ensure good ventilation during application and curing
- Provide shelter to prevent wind from affecting spray patterns
- Avoid exterior painting late in the day or when dew or condensation are likely to form or if rain is expected

Material temperature

- Material temperature during application should be between 50°F (10°C) and 90°F (32°C)

Airless spray

- 28:1 pump or larger

Recommended thinner

Tap water

Volume of thinner

0 - 5%

Nozzle orifice

0.013 – 0.017 in (approx. 0.33 – 0.43 mm)

Note:

- Overthinning may result in inadequate film thickness and subsequent pinpoint rusting

Brush/roller

- Use a high quality polyester/nylon brush and/or a high quality 3/8" nap roller. In hot or dry conditions, layoff lightly rolling with 3/8" nap roller cover. Multiple coats may be required to achieve specified film thickness

Recommended thinner

Tap water

Volume of thinner

0 – 5%

Note:

- Overthinning may result in inadequate film thickness and subsequent pinpoint rusting

Cleaning solvent

- Soap and water

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ADDITIONAL DATA

Overcoating interval for DFT up to 2.0 mils (51 µm)				
Overcoating with...	**Interval**	**50°F (10°C)**	**70°F (21°C)**	**90°F (32°C)**
itself	Minimum	6 hours	1.5 hours	1 hour
	Maximum	Unlimited	Unlimited	

Note:

- Overcoating times valid for a relative humidity of 50%

Curing time for DFT up to 2.0 mils (50 µm)		
Substrate temperature	**Dry to touch**	**Dry to handle**
50°F (10°C)	60 minutes	4 hours
70°F (21°C)	20 minutes	1 hour
90°F (32°C)	12 minutes	40 minutes

Note:

- Curing times valid for a relative humidity of 50%

SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets

WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective & Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

REFERENCES

- Information sheet | Explanation of product data sheets

WARRANTY

PITT-TECH PLUS EP ACRYLIC PRIMER

LIMITATIONS OF LIABILITY

AVAILABILITY OF PACKAGING

Packaging

- 1-gallon and 5-gallon containers

Depending on specific country of application the following versions are available:

Product	Color
90-1909*	Gray
90-1912*	White
90-1908	Red Oxide

Note:

- *Recommended for Galvanized Substrate