

AMERCOAT® 202 LH

DESCRIPTION

High solids, direct to metal epoxy designed for rail, and a variety of transportation and infrastructure applications.

PRINCIPAL CHARACTERISTICS

- Fast dry times for rapid topcoating
- Low VOC, low HAPs
- Excellent corrosion protection properties

COLOR AND GLOSS LEVEL

- Gloss (70 - 80 gloss w/ 60° meter)

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Volume solids	75 ± 3%
VOC (Supplied)	EPA Method 24: 1.7 lb/US gal (200.0 g/l)
Recommended dry film thickness	4.0 - 8.0 mils (100 - 200 µm) depending on system
Theoretical spreading rate	240 ft²/US gal for 5.0 mils (5.7 m²/l for 125 µm)
Shelf life	Base: at least 36 months when stored cool and dry Hardener: at least 24 months when stored cool and dry

Notes:

- See ADDITIONAL DATA – Overcoating intervals
- See ADDITIONAL DATA – Curing time

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Coating performance is, in general, proportional to the degree of surface preparation

Steel

- Remove all surface contaminants, oil and grease in accordance with SSPC SP-1
- Abrasive blast with an angular abrasive to an SSPC SP-6 cleanliness or higher. Achieve a surface profile of 1.5 – 4.0 mils (38 – 100 µm)
- SSPC SP WJ-2(L) is also acceptable over a previous blasted surface
- For maintenance and repair in atmospheric service, the product can be applied over surfaces prepared in accordance with SSPC SP-2 or SSPC SP-3 (hand and power tool cleaning).

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Non-ferrous metals and stainless steel

- Abrasive blast in accordance with SSPC SP-16 guidelines to achieve a uniform and dense 1.5-4.0 mil anchor profile. Size and hardness of abrasive should be adjusted as necessary based on the hardness of the substrate
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Aged coatings and repairs

- Ensure the coating system is sound and well adhered
 - Do not apply over thermoplastic coatings or coatings that exhibit poor solvent resistance
 - A test patch is recommended to determine compatibility and adhesion
 - Sweep blast or otherwise thoroughly abrade the existing coating in accordance with SSPC SP-7
 - Alternately, PREP 88 may be used to prepare some existing coatings. Please refer to PREP 88 data sheet for details
 - Feather the edges of tightly adhered, in-tact coatings at the perimeter of repair areas
 - Power tool clean the existing steel in accordance with SSPC SP-3 (atmospheric service) or SSPC SP-11 (immersion service)
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Substrate temperature and application conditions

- Surface temperature during application should be between 50°F (10°C) and 122°F (50°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 50°F (10°C) and 122°F (50°C)
 - Relative humidity during application should be above 0% and below 90%
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INSTRUCTIONS FOR USE

Mixing ratio by volume: base to hardener 1:1

- Pre-mix base component with a pneumatic air mixer at moderate speeds to homogenize the container. Add hardener to base and agitate with a power mixer for 1-2 minutes until completely dispersed
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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 amine blush and ambering of light colors
 - Ensure good ventilation during application and curing
 - Provide shelter to prevent wind from affecting spray patterns
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Material temperature

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

Mixed product induction time	
Mixed product temperature	Induction time
70°F (21°C)	15 minutes

Pot life

6 hours at 70°F (21°C)

Air spray

- Use standard conventional equipment

Recommended thinner

THINNER 21-06 (AMERCOAT 65), THINNER 91-82 (AMERCOAT T-10), or THINNER 21-25 (AMERCOAT 101)
(recommended for > 90°F (32°C))

Volume of thinner

0 - 20%

Nozzle orifice

Approx. 0.070 in (1.8 mm)

Airless spray

- 30:1 pump or larger
- Can be applied with plural component equipment

Recommended thinner

THINNER 21-06 (AMERCOAT 65), THINNER 91-82 (AMERCOAT T-10), or THINNER 21-25 (AMERCOAT 101)
(recommended for > 90°F (32°C))

Volume of thinner

0 - 10%

Nozzle orifice

0.017 - 0.021 in (approx. 0.43 - 0.53 mm)

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ADDITIONAL DATA

Curing time for DFT up to 8.0 mils (200 µm)		
Substrate temperature	Dry to touch	Dry to handle
70°F (21°C)	3 hours	6 hours

Pot life (at application viscosity)	
Mixed product temperature	Pot life
70°F (21°C)	6 hours

SAFETY PRECAUTIONS

- See Safety Data Sheet and product label for complete safety and precaution requirements
- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eyes

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.

WARRANTY

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AVAILABILITY OF PACKAGING

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

Product	Color
AT202LH-9	Black Base
AT202LH-B	Hardener
AT202LH-3	White Base
AT202LH253	Hopper Car Gray Base
