

Stantest 3.5 Alkyd Enamel

Product Data Sheet

Product Code: 521JB
Formerly Jones-Blair 1500-0

Description: Stantest 3.5 Alkyd Enamel is a quick-drying alkyd topcoat.

Recommended use: For industrial use and fabrication shop application. It can be used direct to metal or over a primer if more corrosion resistance is required.

Features:

- Good exterior durability.
- High-performance pigment system for tinting.
- Quick drying.
- Interior/exterior applications.
- High gloss.
- Can be catalyzed for improved performance (See Additives on Page 2).

Physical constants:

Color/Shade code: White/10000 (other colors available)
Finish: High gloss
Volume solids: 48% ± 1
Theoretical spreading rate: 770 ft²/US gallon [19.2 m²/liter] – 1 mils [25 microns]
Flash point: 21°F/-6°C
Specific gravity: 10.4 lbs/US gallon [1.25 kg/liter]
Viscosity: 14" – 25", Zahn 3
Touch dry: 20 minutes, 68°F/20°C
VOC content: 420 g/liter [3.5 lbs/US gallon]
The physical constants stated are nominal data according to the Hempel Group's approved formulas. VOC may be dependent on color.

Application details:

Application method: Airless spray / Air spray / Air-assisted airless / HVLP
Thinner (max. vol.): Airless spray: Apply as packaged. For others, see Special Application Equipment on Page 2.
Nozzle orifice: 0.011" – 0.015" (airless)
Nozzle pressure: 2,000 psi [131 bar]
(Airless spray data are indicative and subject to adjustment)
Cleaning of tools: Hempel's Thinner 857US
Indicated film thickness, dry: 1.0 – 1.5 mils [25 – 38 microns]
Indicated film thickness, wet: 2.5 – 3.7 mils [60 – 90 microns]
Overcoat interval, min: 2 – 3 hours, 77°F/25°C
Overcoat interval, max: See Overcoating below

Surface preparation, new build:

- Remove oil and grease etc. thoroughly with suitable detergent.
- Remove salts and other contaminants by high pressure fresh water cleaning.
- Moderate exposure: SSPC-SP6 (NACE No. 3) commercial blast.
- Severe exposure: SSPC-SP5 (NACE No. 1) white metal blast.

Application conditions:

- Surface must be completely clean and dry at the time of application.
- Ensure adequate ventilation.
- Air and surface temperature must be above the dew point to avoid condensation.
- Paint temperature should be between 59°F – 77°F [15°C – 25°C] for best performance.
- Minimum temperature for curing is 50°F/10°C.

Preceding coat: According to specification, or none. Recommended system is: Stantest 2.8 Multipurpose Primer.

Subsequent coat: According to specification, or none.

Overcoating: If not overcoated within 3 hours, wait 36 hours before overcoating.

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Repair/maintenance:

- Remove oil and grease etc. thoroughly with suitable detergent.
- Remove salts and other contaminants by high pressure fresh water cleaning.
- Remove dust and loose materials.
- Feather edges to sound and intact areas.

Additional information:

Additives:

Can be mixed with 941JB Urethane Cure Agent for improved gloss and QUV resistance.

Special application equipment:

For air assisted airless, conventional or HVLP application, thinning may be required. Thin by 5% – 20% by volume. Non-exempt solvents will require a lower percentage; exempt solvents a higher percentage. Air-assisted airless requires the lowest amount of thinner, conventional air spray a medium amount, and HVLP equipment the highest amount of thinner. Specific reduction amounts must be determined in the field.

Storage/shelf life:

- Store in a cool area to ensure full shelf life. Recommended temperature: 75°F/23°C.
- Shelf life: 3 years.

Safety:

Handle with care. Use with adequate ventilation. Before and during use, observe all safety labels on packaging and paint containers, consult product Safety Data Sheets and follow all local or national safety regulations.

Note:

Stantest 3.5 Alkyd Enamel is for professional use only.

Issued by:

Hempel (USA) – 521JB

This Product Data Sheet ("PDS") relates to the supplied product ("Product") and is subject to updating from time-to-time. Accordingly, the buyer/applicator should have regard to the PDS supplied together with the relevant batch of the Product (and not an earlier version). In addition to the PDS, the buyer/applicator may receive some or all of the following specifications, statements and/or guidelines as listed below or as are available from the Hempel website under 'Products' at www.hempel.com (the "Additional documents"):

No.	Document description	Location/comments
1.	Technical Statement	One-off specific advice provided on request for specific projects
2.	Specification	Only issued for specific projects
3.	PDS	This document
4.	Explanatory Notes to the PDS	Available at www.hempel.com and contain relevant information about the Product testing parameters
5.	Application Instruction	Where available, at www.hempel.com
6.	Generic technical guidelines (e.g. on application and surface preparation)	Where available, at www.hempel.com

In the event of a conflict of information between the PDS and the Additional documents, the order of priority of information shall be in the order as set out above. In such event you should also contact your representative at Hempel for clarification. Furthermore, the buyer/applicator must have full regard to the relevant Safety Data Sheet provided with each Product and which can also be downloaded from www.hempel.com.

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