

TT43 Exterior Acrylic Fluorescent Finish

Product Description

TT43 is a single pack, pigmented acrylic finish, designed as a high visibility fluorescent finish for hazardous areas.

- Quick drying
- UV resistant
- Excellent resistance to water and ester lubricants
- Intended for use with CV242 acrylic clearcoat in accordance with Def Stan 80-164

Components



Mix Ratio (by volume)

- TT43 (Base) 2 part
- T142 (Thinner) 1 part
- or
- T4 (Thinner) 1 part

Specifications



TT43 is qualified to:

- Def Stan 80-164

Product Compatibility

TT43 is compatible with the following primer specifications:

- BSX33A+B
- Def Stan 80-216

Note: PPG Aerospace recommends you check the most recent specification QPLs for updated information.

Surface Preparation and Pretreatment



Ensure surface to be coated is clean, dry and intact using a high performance solvent cleaner - DeSoto® CN48 or Desoclean™ 45 solvent cleaners are recommended.

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Instructions for Use



Thoroughly stir or shake the base component to ensure adequate dispersion. Add thinner to required viscosity and stir thoroughly.
The amount of thinner may be varied to suit local conditions and equipment.

Note: All products and components should be placed in ambient conditions of 15-30°C (59-86°F) for at least 24 hours prior to mixing and application.



Induction Time:

Not Required



Viscosity: (23°C/73°F)

• AFNOR2.5	63-86 seconds
• AFNOR4	18-22 seconds
• BSB3	33-39 seconds
• BSB4	19-23 seconds
• FORD4	16-20 seconds
• ISO3	61-79 seconds
• ISO4	27-38 seconds
• ZAHN2	21-24 seconds

Note: Viscosities quoted are typical ranges obtained when using specified mix ratio.



Pot Life:

Not Applicable

Application Guidelines

Recommended Application Conditions:

Temperature	10-35°C (50-95°F)
Relative Humidity	20-85%

Application:

TT43 must be applied to white two pack epoxy filler FR80 or FR89. Spray 2 or 3 double-track coats, thinned as required, allow a minimum of 15 minutes between coats. To achieve optimum performance, TT43 must be overcoated with CV242 clearcoat.



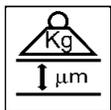
Theoretical Coverage: (ready for use)

2-3 m²/Lt @ 65-80 µm dry film thickness
80-120 ft²/US gal @ 2.6-3.2 mil dry film thickness

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Recommended Dry Film Thickness:

65-80 μm
2.6-3.2 (mil)



Dry Film Density:

1.26 g/cm^3
10.52 lbs/US gal

Dry Film Weight:

80-100 g/m^2 @ 65-80 μm dry film thickness
0.0164-0.0205 lbs/ft^2 @ 2.2-3.2 mil dry film thickness

Note: These application guidelines represent PPG's best advice for usage in standard conditions. Some parameters will be influenced by environmental conditions, equipment settings, and other variables.

Equipment: TT43 is compatible with all types of current spray equipment.



Equipment Type	Tip Size	Air Pressure
Conventional Air Spray	1.5mm	40 to 50 psi (2.7 to 3.4 bar)

Equipment Cleaning:

Clean spray equipment before use and as soon as possible after use, DeSoto® CN20 or Desoclean 45™ are recommended.

Physical Properties



Colour:

Red/orange TT43/C3675 (RAL3026)
Red TT43/C3701 (RAL3024)
Orange TT43/C4214 (RAL2005)
Yellow TT43/C4569 (RAL1026)
Flare green TT43/C5721



Gloss:

< 5 units with a 60° gloss meter

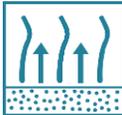
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Drying Times:

Drying Times 50% R.H.	23°C (73°F)	120°C (248°F)
Dry to Overcoat with Self	15 minutes	
Surface Dry	30 minutes	
Overcoating with CV242	1 hour (min.) 72 hours (max.)	
Hard Dry	1 hours	
Full Cure	7 days	1 hour

Note: Drying times listed above are dependent upon film thickness applied, air flow conditions and application technique.



Flash Off Time:

30 minutes prior to force dry



VOC: (ASTM)

Mixed ready for use	730 g/Lt
TT43 Base Component	570 g/Lt
T142 Thinner	890 g/Lt
T4 Thinner	870 g/Lt



Flash Point:

TT43 Base Component	-18°C (64°F)
T142 Thinner	>22°C (72°F)
T4 Thinner	23°C (73°F)

Shelf Life:

TT43 Base Component	24 months in original unopened container
T142 Thinner	10 years in original unopened container
T4	10 years in original unopened container

Note: Shelf life may vary due to OEM specification requirements. Refer to container label for specific shelf life information.

Note: The application and performance property values above are typical for the material, but not intended for use in specifications or for acceptance inspection criteria because of variations in testing methods, conditions and configurations.

Storage Recommendations



Inspect the condition of the container to ensure compliance. The material should be stored at temperatures between 5°C to 35°C (41°F to 95°F) to ensure shelf life.

Note: When procuring to a qualified material specification, follow those storage instructions.

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Health Precautions

This product is safe to use and apply when recommended precautions are followed. Before using this product, read and understand the Safety Data Sheet (SDS), which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. An SDS is available on request. Avoid overexposure. Obtain medical care in case of extreme overexposure.

For industrial use only. Keep away from children.

Additional information can be found at: www.ppgaerospace.com

For sales and ordering information call the local PPG office at the numbers listed below:

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ASC – Australia
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Issue Date: 08/20
Lit: 4276