

IS-213 Polyurethane Reducer

TECHNICAL DATA SHEET

Product Description

IS-213 Polyurethane Reducer, qualified to MIL-T-81772 Type I, can be used to improve spray characteristics and film appearance of polyurethane topcoats. IS-213 is compatible with polyurethane topcoats qualified to MIL-PRF-85285 and other similar material specifications.

Specifications



IS-213 is qualified to:

- MIL-T-81772 Type I

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

Product Compatibility:

IS-213 is compatible with the following topcoat specifications:

- GC130N
- GP110AEF
- MIL-PRF-85285 Type I, II & IV
- MMS-420

Instructions for Use



Mixing Instructions:

Add sufficient amount of IS-213 to the admixed material to achieve the desired viscosity only after the initial viscosity of the admixed material has been determined. The amount to be added is limited by local VOC regulations and is not to exceed one pint per mixed gallon. Each fluid ounce of IS-213 adds approximately 26 grams (0.06pounds) of VOC. The addition of IS-213 will reduce volume solids of the mixed paint. Due to this reduction, achievement of the specified dry film thickness may require thicker wet films or multiple applications. End users must confirm proper dry film thickness is achieved by physical measurement.

Addition of IS-213 may extend the pot life of the mixed material by a dilution effect. Do not add IS-213 to the admixed material that is approaching the end of its pot life.

Note: It is important to condition the paint for 24 hours prior to mixing by placing all materials in the shop or hangar, with ambient temperatures between 13° and 35°C (55° to 95°F). The minimum temperature of the paint components should be 13°C (55°F) prior to mixing.

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Induction Time:

Not Required

Application Guidelines

Recommended Application Conditions:

Temperature	15 - 30°C (59 - 86°F)
Relative Humidity	20 - 90%

Application:

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

Physical Properties (product)



Color Not Applicable



Gloss Not applicable



VOC:

IS-213	889 grams/liter
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Physical Constants:

Weight/gallon	7.45 pounds/gallon
Vapor Pressure	26 mmHg at 68° F



Flash Point closed cup:

IS-213	3°C (38°F)
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Shelf Life:

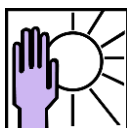
12 months from date of manufacture for most OEM material specifications. Consult the specification to verify shelf life requirements.

24 months from date of manufacture for PRC-DeSoto Standard

Note: Shelf life is provided for original, unopened containers

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

Tel 61 (3) 9335 1557
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