General Industrial Coatings

Polane® HP Gen II High Solids Urethane Topcoat

Dark Gray (84433810) F63AC178
Reducer..... R6K30
Catalyst.....V66V55
Catalyst..... V66VC232
Catalyst.....53-X145A

DESCRIPTION

Polane® HP GEN II Dark Gray (84433810), F63AC178, is a high gloss, two-component polyurethane coating formulated to meet CNH MAT0103 and MAT0105 specifications. It provides excellent performance and appearance over a variety of substrates. It complies with 3.5 lbs/gal VOC and is formulated to be non-HAPS.

Advantages:

- Excellent exterior durability
- Excellent physical and chemical properties
- Excellent appearance over metal or plastic.
- Meets the requirements for approval to Class 3 (86628054) per CNH MAT0103 86628044 over E61A280 primer.
- Meets the requirements for approval to Class 3 (86628054) per CNH MAT0103 86628044 over E61A144 primer.
- Non-photochemically reactive
- *Complies with 3.5 lbs./gal. VOC.
- Formulated to be non-HAP.

* VOC Compliance limits vary from state to state; please consult local Air Quality rules and regulations.

An Environmental Data Sheet is available from your local Sherwin-Williams facility or at www.PaintDocs.Com.

CHARACTERISTICS

(Theoretical)

Weight/Gallon: 8.31 ± 0.15 lbs

Volume Solids: 49.3 ± 2 %

Weight Solids: 57.9 ± 2 %

#Viscosity: 32-37 secs
(at 77° F, #2 Zahn Cup, Signature Series)

#Paint is thixotropic, must be agitated before measuring viscosity.

Recommended Film Thickness:

Mils Wet	4.0
Mils Dry	2.0

Spreading Rate (no application loss)**:**
V66VC232 or 53-X145A Catalysts
398 ft.^{2}/gal. at 2.0 mils DFT

Cure: 15 mins. flash, 30 mins. at 180° F

Mixing Ratio (by volume)**:**

V66V55 Catalyst

F63AC178	3.5 Parts
V66V55 Catalyst	1 Part
R6K30 Reducer (MAK)	Up to 0.8 Part
Volume Solids At Gun	49.0% at 3.5 VOC

V66VC232 or 53-X145A Catalysts

F63AC178	2.5 Parts
V66VC232 or 53-X145A Catalyst	1 Part
R6K30 Reducer (MAK)	Up to 0.3 Part
Volume Solids At Gun	49.5% at 3.5 VOC

Faster drying may be obtained with Polane Accelerator V66VB11. Any addition will reduce potlife

Potlife: 2 hours
Without accelerator

Flash Point: 102° F
(Pensky Martens Closed Cup)

Air Quality Data:
Non-Photochemically Reactive
Volatile Organic Compounds (VOC), Less Exempts
(admixed, maximum) 3.5 lb/gal, 420 g/L

Recommended Storage: Inside, sealed container, 40-120° F, no freeze hazard. Protect from moisture.

Package Life: 1 year, unopened

SPECIFICATIONS

General: All substrates should be free of mold release, oil, grease, dirt, fingerprints, drawing compounds, surface passivation treatments and any other contaminants to ensure optimum adhesion and coating performance. Consult Metal Preparation brochure CC-T1 for additional details.

Testing: The information, data, and recommendations set forth in this Product Data Sheet are based upon test results believed to be reliable. However, due to the wide variety of substrates, substrate properties, surface preparation methods, equipment and tools, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.

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APPLICATION

Typical Setups

Equipment:
F63AC178 can be applied with conventional pressure or suction feed spray equipment.

Pressure Gun:

Tip	FF.
Air Cap	765 DeVilbiss

Air Pressure:

Fluid	8-12 psi
Atomizing	40-50 psi

Equipment/application guidelines are only guidelines and individual application & process parameters will dictate exact requirements.

Cleanup:
Clean tools/equipment immediately after use with R6K30 (Methyl Amyl Ketone) or any or other such solvent.

Follow manufacturer's safety recommendations when using any solvent.

ADDITIONAL INFORMATION

1. This product must be properly catalyzed before using. **DO NOT VARY CATALYST RATIO.** The catalyst ratio has been established for optimum hardness, flexibility, gloss, and chemical & solvent resistance.
2. High solids urethane enamels can be applied directly to most plastic surfaces. However, each user should evaluate the coating on their own substrate. A filler or barrier coat may be required.
3. Do not package High Solids urethane coated parts in airtight plastic bags until fully cured.

CAUTIONS

FOR INDUSTRIAL SHOP APPLICATION ONLY

Thoroughly review the product label and Safety Data Sheet (SDS) for safety information and cautions prior to using this product.

To obtain the most current version of the Environmental Data Sheet (EDS), Product Data Sheet (PDS), or Safety Data Sheet (SDS) please visit your local Sherwin-Williams facility or www.PaintDocs.Com.

Please direct any questions or comments to your local Sherwin-Williams facility.

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