AROMATIC MOISTURE CURED URETHANE
V580

Features
- 2 hours dry to touch
- Quick return to light traffic (8 to 12 hours depending on humidity)
- Suitable for use in USDA inspected facilities

General Description
This coating is a one-component, high-solids, moisture-cured urethane intended for use on floors exposed to moderate to extreme conditions. It provides excellent abrasion, impact resistance and chemical resistance. Exposure to sunlight will cause yellowing.

Recommended For
Excellent for use in chemical processing, warehousing, loading docks, food and beverage processing, and other indoor areas requiring a high performance, abrasion resistant finish.

Limitations
- Apply when air temperatures are between 50 °F (10 °C) and 90 °F (32.2 °C).
- For Interior Use ONLY

Product Information
Colors — Standard:
Clear (00)

— Tint Bases:
Do Not Tint

— Special Colors:
Contact your retailer.

Certification & Qualifications:
The products supported by this data sheet contain a maximum of 340 grams per liter VOC / VOS (2.84 lbs/gal.) excluding water & exempt solvents.
Masters Painters Institute MPI # 31
Meets Performance Spec of TT-C-542E Type II

Technical Data
Vehicle Type: Aromatic MCU
Pigment Type: N/A
Volume Solids: 56% ± 1.0%
Coverage per Gallon at Recommended Film Thickness:
- Wet: 300 – 400 Sq. Ft.
- Dry: 2.2 – 3.0 mils

Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess paint.

Dry Time @ 77 °F (25 °C) @ 50% RH:
- Tack Free: 2 Hours
- To Recoat: 16 – 72 Hours
- Full Cure: 7 –10 Days

High humidity and cool temperatures will result in longer dry, recoat and service times.

Dries By: Chemical Cure
Viscosity: 80 – 90 KU
Flash Point: 73 °F or greater (TT-P-141, Method 4293)
Gloss / Sheen: 80+ @ 60°
Surface Temperature at Application:
- Min. 50 °F
- Max. 90 °F
Thin With: Do Not Thin

Clean Up Thinner: Corotech® V703 or Xylene
Weight Per Gallon: 8.6 lbs
Storage Temperature:
- Min. 40 °F
- Max. 95 °F

Volatile Organic Compounds (VOC):
335 Grams/Liter 2.80 Lbs./Gallon

◊ Reported values are for Clear. Contact retailer for values of other bases or colors.
Aromatic Moisture Cured Urethane V580

Surface Preparation
The performance of this product is directly dependent upon the degree of surface preparation employed. All dirt, oils salts and other contaminants must be removed using Corotech® V600 Oil & Grease Emulsifier.

Existing Coatings: Test for compatibility. Clean to remove contaminants. Sand to remove gloss.

Concrete: Clean surfaces to be coated to remove grease, dirt and any loose materials. All curing agents, sealers, hardening compounds, form release or other contaminants must be removed. Centrifugal shot blasting is recommended for floor areas exposed to severe environments, however, conscientious acid etching may be substituted. Note that acid etching will NOT remove sealers, curing agents, hardening compounds or form release. Caution should be taken when blasting to not over-profile the concrete. Profile of concrete should meet ICRI CSP 1 or CSP 2.

Wood: Clean surfaces to remove dirt, and other foreign contaminants. Sand wood to remove mill glaze, loose wood fibers or existing coatings.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Informational Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Application
Mix the product thoroughly prior to application. Drill mixer at low speed will best accomplish this. DO NOT SHAKE PRODUCT.

Airless Spray: Tip range between .009 and .013. Total fluid output pressure at tip should not be less than 2100 psi. Thinning is not recommended.

Air Spray (Pressure Pot): DeVilbis MBC or JGA gun, with 704 or 705 air cap and Fluid Tip E.

Note: Do not allow material to remain in guns and hoses. Flush all equipment immediately after painting with V703 or Xylene.

Brush: Natural Bristle only. / Roller: Short Nap mohair with phenolic core. Apply when temperatures are between 50°F and 90°F, and with humidities between 20% and 90%.

Additional Notes: All painted surfaces can be slippery. Where non-skid properties are required, a non-skid additive should be used.

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Clean Up
Clean with Corotech® V703 or Xylene.

Environmental Health & Safety Information

DANGER!

Harmful in contact with skin

Toxic if inhaled

Causes skin irritation

Causes serious eye irritation

May cause allergy or asthma symptoms or breathing difficulties if inhaled

May cause an allergic skin reaction

Suspected of causing cancer

Suspected of damaging fertility or the unborn child

May cause respiratory irritation

May cause damage to organs through prolonged or repeated exposure

May be fatal if swallowed and enters airways

Flammable liquid and vapor

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. Wash face, hands and any exposed skin thoroughly after handling. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace. Do not breathe dust/fume/gas/mist/vapors/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparkling tools. Take precautionary measures against static discharge. Keep cool. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF exposed or concerned: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. In case of fire: Use CO2, dry chemical, or foam for extinction.

Storage: Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Disposal: Dispose of contents/container to an approved waste disposal plant.

CAUTION: All floor coatings may become slippery when wet. Where non-skid characteristics are desired, use an appropriate anti-slip aggregate.

WARNING Cancer and Reproductive Harm—www.P65warnings.ca.gov

This document represents hazards of the product referenced above. Refer to the individual Safety Data Sheet for hazards of the specific product you will be using.

KEEP OUT OF REACH OF CHILDREN FOR PROFESSIONAL USE ONLY

Refer to Safety Data Sheet for additional health and safety information.