

HYDRO FLEX ONE URETHANE



HYDROTHANE SERIES H-3100

PRODUCT DATA SHEET

PRODUCT OVERVIEW	BENEFITS
Hydro Flex ONE is an NMP-free, one component, waterborne acrylic polyurethane coating designed for use on vinyl substrates.	Vinyl: Hydro Flex ONE provides good chemical resistance and excellent water resistance to vinyl. This coating is easy to apply and dries quickly, offering excellent hardness and a wide array of IR reflective colors.
FEATURES	SURFACE PREPARATION
<ul style="list-style-type: none">• Quick dry time• Excellent hardness• Good chemical resistance• Excellent water resistance	Vinyl: Lightly abrade the surface, remove debris, and wipe with acetone. Let acetone flash and ensure surface is clean and dry before applying Hydro Flex ONE.
FINISH	APPLICATION METHODS
Gloss: Matte (< 15 GU) Color: Any	Stir contents before use. Never shake or mix under high agitation. Hydro Flex ONE can be sprayed, brushed or rolled onto vinyl.
SPREAD RATE	Spraying: Reduce to 30-33 seconds, Zahn #3. Apply a medium wet coat over the surface (provide a WFT recommendation). For best results, apply with a spray gun with tip size of 1.2-1.8 mm, air pressure should be 15-25psi for HVLP and 25-40 psi for conventional spray guns. Atomization pressure depends on viscosity. Apply 1 tack coat followed by 1 full coat (WFT 3 - 4 mils) of Hydro Flex ONE.
Theoretical Coverage: 705 sq.ft. per gallon @ 1 mil DFT Recommended Coverage: 470 sq.ft. per gallon @ 1.5 mil DFT	
SUBSTRATES	Brushing: Reduce to 30-38 seconds, Zahn#2. Apply one to two coats of Hydro Flex ONE.
<ul style="list-style-type: none">• Vinyl	
SPECIFICATIONS	DRY TIMES
Binder Type: Acrylic-Urethane Volume Solids: 44 ± 6% * varies by color Weight Solids: 49 ± 2% * varies by color Weight per Gallon: 8.9 lb, clear Flash Point: TBD VOC, Material: 72 g/L VOC, Coating: 155 g/L Shelf Life: 12 months, unopened	<i>Hydro Flex ONE can be air dried or force cured.</i> Cure Conditions: 75°F/24°C 120°F/49°C @ 50% RH @ 50% RH Recoat: 10 min 5 min Dry to Handle: 60 min 20 min
PERFORMANCE DATA	CLEAN-UP
* At recommended DFT Impact Resistance (ASTM D3359): Pass Abrasion Resistance (ASTM D968): >ACV 40 Chemical Resistance: Pass Dry Film Hardness (ASTM D3363): 3H Dry Fall: 4 - 5 feet	While coating is wet, water may be used for cleaning. After the coating dries, solvents may be required for clean up.
	CERTIFICATIONS
	AAMA 615-20 <i>Passed March 2023</i>

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NOTES ON CLEANING COATED WINDOWS AND DOOR FRAMES

After the window has been coated, it should not be washed for two weeks to allow for complete curing of the coating. Once it has cured for two weeks, the coated vinyl surface may be cleaned with a mild soap* and water, using a lint-free rag or lint-free paper towel. Do not use solvent or abrasive materials, such as Scotch Brite pads. Clean the glass of the window with Windex or Ivory dish soap.

To clean:

- Vacuum dirt from sill and track areas before washing
- Clean window and/or door frames with a mixture of mild soap and water
- *Abrasive or caustic cleaners or solvents are never recommended because they may cause permanent damage to the frame finish*
- Mild, nonabrasive soaps are usually safest for most dirt and stain removal
- Always rinse completely with clean water and wipe or pat dry
- Check to make sure certain drainage or "weep" holes are always clear of dirt or obstruction both inside and outside the window or door