



# WUCTR

## Waterborne polyurethane coating system

### DESCRIPTION

WUCTR is a two component waterborne polyurethane coating system. It provides outstanding appearance, good chemical and resistance as well as excellent physical properties. This system has been approved by the Canadian Food Inspection Agency (CFIA).

### ADVANTAGES

- VOC level : 31 g/L
- Fast dry speed
- Early water resistance
- Long pot life
- Excellent adhesive properties, allowing application on other firm and hard coating, as well as a good bond to the substrate
- Superior chemical resistance
- Superior U.V. resistance
- Outstanding appearance

### COLOR

Upon request

### OPERATION

#### SURFACE PREPARATION:

The surface must be sound and clean. Remove any dust, milt, grease, oil, dirt, curing agents, wax, foreign substances and disaggregated substances by sanding or by other approved methods. Standing water must be removed from the surfaces but if primer is applied, the surface can be damp. Porous surfaces may require multiple priming.

#### MIX:

Pre mix each component separately. Pour component B into component A using the proper mixing ratio. Mix both components for at least 3 minutes using a drill at low revolution (200 to 300 rpm) to reduce trapping of air. While mixing, scrape bottom and walls of container at least once to ensure a homogeneous mix. Only prepare quantity that may be applied during pot life.

#### APPLICATION:

Apply mixed product on the prepared surface using a finish applicator replacement pad (18 inches size) to obtain a uniform coating. Avoid creating puddles.

#### CLEANING:

Clean all tools and materials with soapy water followed by solvent rinse. Wash hands and skin carefully with warm soapy water. Once product has hardened, it may only be removed through mechanical means.

#### RESTRICTIONS:

- Minimum/Maximum temperature of substrate: 10 °C / 30 °C (50 °F / 86 °F).
- Maximum relative humidity during application and curing : 85 %.
- Substrate temperature must be above 3 °C (5.5 °F) at dew point measured.
- Humidity content of substrate must be < 4 % when coating is applied.
- Do not apply on porous surfaces where a transfer of humidity may occur during application.
- Avoid exterior use on substrates at ground level.
- Protect from humidity, condensation and contact with water during the 24 hour initial curing period.
- Surface may discolor in areas exposed to regular ultraviolet light.

## PHYSICAL PROPERTIES

	Part A	Part B	Mixed
Color	Upon request	Amber	Upon request
Viscosity (cps) @25°C	15 - 25*	350 - 450	15 - 25*
Solids by weight (%)	60 - 70	60 - 70	60 - 70
Solids by volume (%)	60 - 70	60 - 70	60 - 70
Thinner	Water	Water	Water
Density (kg/li)	1.04	1.07	-
Mixing ratio by volume	4	1	-
Mixing ratio by weight	100	25.7	-
Pot life (454 g @ 25°C)	-	-	1 - 3 hours
Recoat window	-	-	4 - 6 hours
Mileage per gallon ** (4 - 6 mils thickness)	-	-	300 - 400 ft²
Recommended thickness:	-	-	6 - 10 mils
Pedestrian traffic	-	-	12 - 24 hours
Normal traffic	-	-	24 - 48 hours
Heavy equipment traffic	-	-	> 48 hours
Storage	12 months	12 months	-

**\* Please note that the indicated viscosity is for clear product only. Any addition of colorant may affect the viscosity.**

**\*\* Please note that the indicated mileage is calculated for flat surfaces. A porous or imperfect surface will require more material in order to cover the same mileage.**

## CURING PROPERTIES

	Test	Result
Bond strength (psi)	ASTM D4541	>300 (Substrate ruptures)
Impact Resistance: direct / reverse (lbs)	ASTM D-2794	16 / 2
Hardness (Shore D)	ASTM D2240	70 - 75
Abrasive resistance (CS17 / 1000 cycles / 1000 g)	ASTM D4060	0.3 g
Water absorption (%)	ASTM D570	1.5

## HEALTH AND SAFETY

In case of skin contact, wash with water and soap. In case of eye contact, immediately rinse with water for at least 15 minutes. Consult with a doctor. For respiratory problems, transport victim to fresh air. Remove contaminated clothes and clean before reuse. For more information, consult the material safety data sheet.

Components A and B contain toxic ingredients. Prolonged contact of this product with the skin is susceptible to provoke an irritation. Avoid eye contact. Contact with may cause serious burns. Avoid eye contact. Avoid breathing vapors release from this product. This product is a strong sensitizer. Wear safety glasses and chemical resistant gloves. A breathing apparatus filtering organic vapors approved by the NIOSH/MSHA is recommended. Predict suitable ventilation. **Consult the material safety data sheet for further information.**

## IMPORTANT NOTICE

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