



# 738 & 739 WATER BASED URETHANES | ALIPHATIC POLYURETHANE TOPCOAT & SEALER

Manufactured by Polygem, 5600 Lower Macungie Rd. | Macungie, PA 18062 | 630-231-5600 | Made in USA

**POLYGEM**

[polygem.com](http://polygem.com)

## PRODUCT DESCRIPTION

**738 & 739 WB Urethane** are aliphatic two component water-based topcoats. They provide a tough durable surface that exhibits a high gloss (738) or a flat matte (739) finish. When combined equally a satin finish can be attained.

738 & 739 topcoats last significantly longer than acrylic sealers.

## ADVANTAGES

- **Non-yellowing**
- **High Gloss Finish (738)**
- **Matte Finish (739)**
- **Satin Finish (738 & 739 Combined)**
- **No Odor**
- **VOC Compliant**
- **Easily Applied**
- **Long Wear Resistance**

## USES

Horizontal Surfaces such as: Epoxy Flooring Topcoat, Showrooms, Decorative Concrete, Garages, Stamped Concrete, and Exposed aggregates.

## APPLICATION INSTRUCTIONS

1. Clean surface thoroughly before application. Surface must be structurally sound and free of all dust, dirt, mortar residue, curing / form release compounds and all other contaminants.
2. A urethane primer such as Polygem **Aqua-Gem™** is required for application of WB Urethane to concrete or masonry surfaces. Apply WB urethane after the primer is dry but no longer than 24 hours.
3. **Mix Ratio for 738 and 739 products is 1A:4B by volume.** Pre-mix both Part A and B before proceeding. Combine 1 Part A to 4 Parts B by volume. Use a drill mixer on slow setting 2 minutes. The A/B mixture will slightly thicken after blending. Allow the mix to stand for 5-10 minutes before use. Do not thin or dilute.
4. To achieve a satin finish, you need to combine equal amounts of 738 and 739. To do this properly combine 1 Part A to 4 Parts B by volume of 738 WB and mix thoroughly. Then do the same for 739 WB. Once both products have been mixed separately combine the two and do another final mix.
5. Apply WB Urethane in a uniform, continuous film by squeegee, airless sprayer, short, napped mohair roller, foam applicator, lamb's wool applicator or paint brush. Use a lamb's wool applicator or roller to pick up puddles or excess material. Application to epoxy flooring should be done after the epoxy is tack free and no longer than 24 hours.

## PACKAGING

**738 & 739** are available in **1 Gallon Kits**.

## SHELF LIFE

Unopened containers are guaranteed for 1 year. Store in temperatures between 60-80 °F (16-27°C). Storing above 85 °F (27 °C) will reduce shelf life. Keep from freezing.

## LIMITATIONS

**DO NOT** apply to exterior surfaces if rain is expected within 12 hours after application or in direct sunlight at ambient temperatures more than 90 °F (32 °C). **DO NOT** apply when ambient temperature or the surface being applied to is below 50 °F (10 °C) Not recommended for asphalt surfaces- always apply a test area before proceeding.

## CAUTIONS

- Wear chemical goggles and NIOSH approved respirator. Wear proper protective clothing and gloves to prevent direct contact of resins. Consult Safety Data Sheet for full listing of protective requirements.
- **738 & 739** may irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin.
- For professional use only.
- Keep out of reach of children.

## TECHNICAL DATA

**All values measured after 7 days at 73 °F (23 °C).**

TYPICAL PROPERTIES

<b>Pot Life:</b> @ 77 °F (25 °C) .....	2-3 hrs
<b>% Solids by Weight:</b> .....	56
<b>Volatile Organic Content, g/l:</b> .....	< 25
<b>Tire Marking Resistance:</b> .....	Excellent
<b>Mix Ratio:</b> .....	1A to 4B
<b>BY VOLUME</b>	
<b>Mixed Viscosity:</b> .....	220-380
<b>Coverage Rate:</b> .....	250-350
<b>SQ. FT./GAL.</b>	
<b>Drying Time:</b>	
<b>Set to Touch</b> .....	2 hrs
<b>Surface Dry</b>	3 hours
<b>Hard Dry</b> .....	12 hrs
<b>Color Wet:</b> .....	Milky White
<b>Color Dry:</b> .....	Crystal Clear