



# 738 UVR Gloss™ & 739 UVR Matte™ | ALIPHATIC POLYURETHANE TOPCOAT & SEALERS

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 UVR Gloss™ & 739 UVR Matte™** are aliphatic two component water-based topcoats. They provide a tough durable surface that exhibits a high gloss or a flat matte finish. When combined equally a satin finish can be attained.

738 & 739 topcoats will last significantly longer than acrylic sealers.

## ADVANTAGES

- **Non-yellowing**
- **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 738 or 739 UVR to concrete or masonry surfaces. Apply 738 or 739 UVR after the primer is dry but no longer than 24 hours.
3. **Mix Ratio for both 738 & 739 UVR 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. Apply UVR topcoat 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 UVR** are available in **1 Gallon Kits**.

## SHELF LIFE

Unopened containers are guaranteed for 24 months.  
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 UVR Gloss & 739 UVR Matte** 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: (77 °F (25 °C) 100 gms)</b> | 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: (By Volume)</b>            | 1A to 4B      |
| <b>Mixed Viscosity:</b>                  | 220-380       |
| <b>Coverage Rate:</b>                    | 250-350       |
| SQ. FT./GAL.                             |               |
| <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 |

## POLYGEM LIMITED WARRANTY:

Polygem warrants that during the shelf life of the product (as determined from the date of manufacture), the product will conform to the specifications provided in this technical bulletin. **POLYGEM MAKES NO OTHER WARRANTIES, EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.** Neither any performance or other conduct, or any oral or written representation, statement or advice provided by Polygem or any of Polygem's distributors, agents, or employees will create a warranty, or in any way increase the scope or duration of this limited warranty. Polygem will have no warranty obligation if the product becomes defective, in whole or in part, as a result of: (i) the transportation of the product; (ii) any alteration or modification to the product by third parties; or (iii) improper handling or storage of the product (including improper handling or storage by third-party carriers or distributors).

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