



## EGC18

### 2.1 VOC COMPLIANT

### UNIVERSAL 2:1 DEEP HIGH GLOSS URETHANE CLEARCOAT

EGC18 is a high solids two component acrylic clearcoat compliant with 2.1 VOC regulations. EGC18 is specially formulated to provide maximum flexibility while still providing a deep high gloss and long-term durability. Choose from a range of three activators that offer three major benefits:

- Can be used for spot, panel and overall repairs.
- Can be used in the varying shop conditions.
- Can be air-dried or force dried in down draft, cross flow booths, or with infrared drying equipment.

## PROPERTIES

- High solids.
- Durable high build UV resistance with optimum gloss retention.
- Excellent gloss and long term durability.
- Easy to apply.
- Excellent flow and non-sag properties.
- Easy to wet sand and buff.
- Can be reduced by up to 10%.
- Easily polished once cured.

## TECHNICAL DATA



### Substrates

- Compatible with most solvent base coat systems.
- Compatible with most water borne base coat systems.

|                               |             |
|-------------------------------|-------------|
| Viscosity as supplied         | 17-19       |
| Solid content without reducer | 35%         |
| Specific weight: As packaged  | 1.05 + 0.01 |
| Specific weight: As applied   | 1.05 + 0.01 |

## APPLICATION GUIDE



### Tools Required

- SYSTEM 20™ Degreaser
- U-POL Tack Cloth
- MAXIMUM HVLP Gravity Gun
- Abrasives
- UP2433 Fade Out Reducer
- MAXIMUM Painters Overalls



## EGC18

### 2.1 VOC COMPLIANT UNIVERSAL 2:1 DEEP HIGH GLOSS URETHANE CLEARCOAT

#### Hardener Selection

Suggested temperature range for use of EGC hardeners is a recommendation only as the size of the repair will also affect the choice.

| Temp °F | 50° | 60° | 70° | 80° | 90° | 100°+ |
|---------|-----|-----|-----|-----|-----|-------|
| EGC48   |     |     |     |     |     |       |
| EGC49   |     |     |     |     |     |       |
| EGC47   |     |     |     |     |     |       |



#### Substrate Preparation

To achieve best results, good preparation is essential. Degrease with UP2002 Wax & Grease Remover and allow to dry thoroughly before and after surface preparation.

Over Original Cured Paint:

Wet-sand with P1200-P1500 or dry-sand with P1000-P1200.

Over Fresh Basecoat:

Follow paint manufacturer's recommendation for applying over basecoat.



#### Mixing Ratio

|               |         |
|---------------|---------|
| Clearcoat     | 2 parts |
| EGC Hardeners | 1 part  |

#### Mixing by Weight (ounces)

|               |   |
|---------------|---|
| Clearcoat     | 2 |
| EGC Hardeners | 1 |



#### Viscosity DIN 4 / sec

17-19

Pot-Life @ 70°F / hours

4-6

Ready for use VOC

1.00 lbs/gal (120 g/l)



#### Compliant HVLV Gravity Gun

Gun tip size (in mm)

1.2 to 1.4

Air Pressure at the gun (in PSI)

28



#### Coats

2 wet coats

Build / MIL per coat

1.0 - 1.5

\*Theoretical Coverage approx. (in sq ft/gallon) 379 - 569

\*Theoretical Coverage per ready to spray gallon assuming 100% transfer efficiency and giving the dry film thickness between indicated values.



#### Flash-off / min @ 64-72°F

Between coats

5-10

Before curing

5-10



## EGC18

### 2.1 VOC COMPLIANT UNIVERSAL 2:1 DEEP HIGH GLOSS URETHANE CLEARCOAT



#### Drying Times

|                             |   |
|-----------------------------|---|
| Dust free @ 70°F / min      | <30   |
| Through Dry @ 70°F / hours  | 10-12   |
| Through Dry @ 140°F / min   | 30  |
| Through Dry with I.R. / min | 15  |
| Distance for I.R.           | 20 minimum  |
| Recoat Window               | Up to 8 hours. Sanding is required after 8 hours. |



#### Polishing

Remove any possible dirt and polish once fully cured. Repair is ready to polish approximately 1 hour after the repair has cooled down to ambient temperature.

### STORAGE & VOC INFORMATION



#### Shelf Life

|                                     |  |
|-------------------------------------|--|
| Recommended Storage Temperature     | 40°F - 75°F  |
| Recommended Application Temperature | As per the Hardener Selection table above.                     |
| Equipment Cleaning                  | Clean gun immediately after use with U-POL reducer or gunwash. |

#### Important Remarks

**EGC18** must be applied undiluted to remain Low VOC Compliant. Do not use activated product beyond pot life. Activated material should not be returned to the original can of non-activated material.



#### VOC Information

The VOC content of this product in ready to use form is less than 1.00 lbs/gal (120 g/l). Solids of clear base is 5.45 lbs/gal (653 g/l).

| Order Code | Format | Regulatory As Packaged VOC: | Actual As Packaged VOC: |
|------------|--------|-----------------------------|-------------------------|
| EGC18      | 5L Tin | 2.50 lbs/gal (300 g/l)      | 1.41 lbs/gal (169 g/l)  |

**EGC18****2.1 VOC COMPLIANT  
UNIVERSAL 2:1 DEEP HIGH GLOSS URETHANE CLEARCOAT**

**IMPORTANT: FOR PROFESSIONAL USE ONLY. Read full instructions before use.**

This product contains hazardous materials and therefore appropriate personal protective equipment should always be used. Please refer to the label and consult the safety data sheet for full handling instructions and personal protection information. U-POL disclaims any liability where the user does not wear the recommended personal protective equipment. The above data is for information only and may change without prior notice. It is the Buyers responsibility to ensure the suitability of the products for their own use and check the information is up to date. The recommendation of use of our products and application in our technical data sheets are based on our knowledge and experience. These data sheets are available via your local distributor or via the U-POL website at [WWW.U-POL.COM](http://WWW.U-POL.COM). U-POL is not responsible for the results obtained by others over whose methods we have no control and thereof U-POL is not liable for consequential or incidental damages including loss of profits.

---

**U-POL US, Inc.**  
630 Municipal Drive, Suite 300  
Nazareth, PA 18064  
[WWW.U-POL.COM](http://WWW.U-POL.COM)

**US Sales**  
T: (610) 746 7081  
F: (610) 743 8654  
[sales-us@u-pol.com](mailto:sales-us@u-pol.com)

**Rest of the World Sales**  
T: +44 (0)20 8492 5900  
F: +44 (0)20 8492 5999  
[sales@u-pol.com](mailto:sales@u-pol.com)

**Technical**  
T: +44 (0)1933 230 310  
F: +44 (0)1933 425 797  
[technicaldepartment@u-pol.com](mailto:technicaldepartment@u-pol.com)