



S2081EV

DRIVING SURFACE PERFECTION™
TECHNICAL DATA SHEET
Version: 1.0

2K DIAMOND UHS CLEARCOAT 3:1 MIX

TECHNICAL DATA SHEET & PROCESS GUIDE

U-POL S2081EV is a VOC compliant UHS 2K acrylic clearcoat, it is applied unthinned, this is recommended for all basecoats. Easy to use with a dust coat followed by a full coat application with no flash-off required between coats. Cure time can be reduced by up to 30-50% when used with S2005EV Accelerator (application and environment dependent).

PROPERTIES

- Good flow and non-sag properties
- Hardens rapidly to give a high build UV resistant coating
- Has excellent gloss and long term durability
- Can be air dried, low baked or IR Cured
- Can be easily polished once cured

TECHNICAL DATA



Substrates

- Manufacturers basecoat, solvent or waterbased

	Base	Mixed
Viscosity		19 - 21 s/ DIN 4
Solid content	51.50%	58.20%
Specific gravity g/cm³	0.98	1.01

APPLICATION GUIDE



Tools Required

- SYSTEM 20™ Degreaser
- HVLP Gravity Gun
- MAXIMUM Abrasives
- MAXIMUM Painters Overalls

Hardener Selection

Please note this product is only compatible with the S2037EV to S2039EV range

Temperature °C	Hardener
0 - 15°C	S2038EV
10 - 25°C	S2039EV
15 - 35°C	S2037EV



Substrate Preparation

Dried waterbased or solvent based basecoat to the manufacturers instructions

To achieve best results, good preparation is essential. Degrease with U-POL Precleaner (S2000, S2001 or S2002). Abrade the surface:

Original cured paint: wet flat with P800 - P1000 or dry P600 - P800.



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Mixing Ratio

S2081EV:Hardener

Standard Application

3:1

Mixing by Weight (grams)

S2081EV

200

S2039EV

74



Viscosity DIN 4 / sec

19 - 21

Working Pot-Life @ 20°C

2 - 3 hours



Compliant HVLP Gravity Gun

Gun tip size

1.2 - 1.4mm

Air Pressure at the gun

2



Coats

1.5 Half coat followed immediately with a full coat

Build / microns

50



Flash-off @ 20°C

Between coats

NIL



Drying Times

Tack free @ 20°C

45 min

Through dry @ 20°C

14 - 16 hours

Through dry @ 60°C

30 mins

Cure time can be reduced by up to 30-50% by using S2005

STORAGE & VOC INFORMATION



Shelf Life

2 years from date of manufacture in sealed original containers.

Recommended Storage Temperature 5°C - 25°C

Equipment Cleaning Clean gun Immediately after use with SYSTEM 20 thinner or gunwash.

Important Remarks

Do not use activated product beyond pot life.
 Activated material should not be returned to the original can of non-activated material.



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VOC Information

The EU limit for this product (product category: IIB.(d) in ready to use form is 420 g/litre.
The VOC content of this product in ready to use form is 420 g/litre.

Order Code	Colour	Ready to use VOC g/l
S2081EV/1	clear	420
S2081EV/5	clear	420

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 stockist or via the U-POL website at 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.

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