



# SYSTEM 20 HARDENERS



DRIVING SURFACE PERFECTION™

Version: 1.0

## 2K ISOCYANATE HARDENERS

### TECHNICAL DATA SHEET & PROCESS GUIDE

2K Isocyanate hardener range for U-POL primers, clears and solid colours.

- Specially designed to provide optimum results depending on climatic conditions
- To be used in conjunction with SYSTEM 20 2K Acrylic Clear Coats, Primers & Solid Colours

### TECHNICAL DATA



- Use at specified ratios (see specific product data sheets)
- Use grade for specific temperature conditions.

#### Recommended Application Temperature

Hardener Speed / Temperature °F	< 40	50	60	70	80	90	100	100>
SYSTEM 20 Extra Fast								
SYSTEM 20 Fast								
SYSTEM 20 Standard								
SYSTEM 20 Slow								
SYSTEM 20 Extra Slow								

Using products outside of the recommended application temperature or mixing ratio, may lead to surface defects or improper through cure. Advice on usage may vary depending on the base component product used, refer to product specific datasheets for further information.

### STORAGE & VOC INFORMATION



#### Shelf Life

1 year from date of manufacture for unopened containers. Date of manufacture and 5-digit batch number are printed on the base of tin. Lids must be replaced after every use.

#### Recommended Storage Temperature

40°F - 70°F

#### Important Remarks

SYSTEM 20 hardeners must not be used on their own, they must always be mixed with a U-POL clear coat, primer or solid colour.



#### VOC Information

See product specific technical datasheets for "as applied" VOC regulatory information.

Reorder Code	Product	Format	As Packaged Regulatory VOC	As Packaged Actual VOC
UP2313	SYSTEM 20 EXTRA FAST HARDENER	1 QT Tin	597 g/l (4.98 lb/gal)	597 g/l (4.98 lb/gal)
UP2314	SYSTEM 20 EXTRA FAST HARDENER	2.25L Tin	597 g/l (4.98 lb/gal)	597 g/l (4.98 lb/gal)
UP2303	SYSTEM 20 FAST HARDENER	1 QT Tin	597 g/l (4.98 lb/gal)	597 g/l (4.98 lb/gal)
UP2305	SYSTEM 20 FAST HARDENER	2.1L Tin	597 g/l (4.98 lb/gal)	597 g/l (4.98 lb/gal)
UP2304	SYSTEM 20 FAST HARDENER	5L Tin	597 g/l (4.98 lb/gal)	597 g/l (4.98 lb/gal)
UP2302	SYSTEM 20 FAST HARDENER	50ml Tin	597 g/l (4.98 lb/gal)	597 g/l (4.98 lb/gal)
UP2301	SYSTEM 20 FAST HARDENER	330ml Tin	597 g/l (4.98 lb/gal)	597 g/l (4.98 lb/gal)
UP2307	SYSTEM 20 FAST HARDENER	250ml Tin	597 g/l (4.98 lb/gal)	597 g/l (4.98 lb/gal)
UP2306	SYSTEM 20 FAST HARDENER	200ml Tin	597 g/l (4.98 lb/gal)	597 g/l (4.98 lb/gal)
UP2381	SYSTEM 20 FAST HARDENER 2.1 VOC	1 QT Tin	113 g/l (0.94 lb/gal)	44 g/l (0.37 lb/gal)
UP2382	SYSTEM 20 FAST HARDENER 2.1 VOC	2.5L Tin	113 g/l (0.94 lb/gal)	44 g/l (0.37 lb/gal)
UP2385	SYSTEM 20 FAST HARDENER 2.1 VOC	250ml Tin	113 g/l (0.94 lb/gal)	44 g/l (0.37 lb/gal)
UP2323	SYSTEM 20 STANDARD HARDENER	1L Tin	624 g/l (5.21 lb/gal)	624 g/l (5.21 lb/gal)
UP2325	SYSTEM 20 STANDARD HARDENER	2.5L Tin	624 g/l (5.21 lb/gal)	624 g/l (5.21 lb/gal)
UP2327	SYSTEM 20 STANDARD HARDENER	250ml Tin	624 g/l (5.21 lb/gal)	624 g/l (5.21 lb/gal)
UP2391	SYSTEM 20 STANDARD HARDENER 2.1 VOC	1 QT Tin	113 g/l (0.94 lb/gal)	46 g/l (0.38 lb/gal)
UP2392	SYSTEM 20 STANDARD HARDENER 2.1 VOC	2.5L Tin	113 g/l (0.94 lb/gal)	46 g/l (0.38 lb/gal)
UP2395	SYSTEM 20 STANDARD HARDENER 2.1 VOC	250ml Tin	113 g/l (0.94 lb/gal)	46 g/l (0.38 lb/gal)
UP2333	SYSTEM 20 SLOW HARDENER	1 QT Tin	627 g/l (5.2 lb/gal)	627 g/l (5.2 lb/gal)
UP2335	SYSTEM 20 SLOW HARDENER	2.25L Tin	627 g/l (5.2 lb/gal)	627 g/l (5.2 lb/gal)
UP2371	SYSTEM 20 SLOW HARDENER 2.1 VOC	1 QT Tin	113 g/l (0.94 lb/gal)	45 g/l (0.38 lb/gal)
UP2372	SYSTEM 20 SLOW HARDENER 2.1 VOC	2.25L Tin	113 g/l (0.94 lb/gal)	45 g/l (0.38 lb/gal)
UP2373	SYSTEM 20 SLOW HARDENER 2.1 VOC	500ml Tin	113 g/l (0.94 lb/gal)	45 g/l (0.38 lb/gal)
UP2333XS	SYSTEM 20 EXTRA SLOW HARDENER	1 QT Tin	616 g/l (5.14 lb/gal)	616 g/l (5.14 lb/gal)
UP2335XS	SYSTEM 20 EXTRA SLOW HARDENER	2.5L Tin	616 g/l (5.14 lb/gal)	616 g/l (5.14 lb/gal)

#### 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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### TECHNICAL DATA SHEET & PROCESS GUIDE

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