



S2021



DRIVING SURFACE PERFECTION™
TECHNICAL DATA SHEET
Version: 2.0

UHS HIGH BUILD PRIMER (5:1)

TECHNICAL DATA SHEET & PROCESS GUIDE

A multi-purpose primer offering the functionality of '2 products in 1' - primer filler and primer surfacer. It is suitable for spot repairs to full panel applications. Use with SYSTEM 20 hardeners.

PROPERTIES

- High build primer filler for spot repairs at 5:1
- Primer surfacer for larger areas at 5:1+10% thinner
- Tintable with up to 10% solvent based mixing base
- Excellent opacity and coverage
- Excellent film build surface levelling properties
- Can be air dried, low baked or IR Cured
- Easy to sand with high gloss holdout

Available Colours • Black • Grey • White

U-POL GREY-SHADE is an economical tool to achieve specific shades of grey undercoat resulting in savings on basecoat usage. Use this mixing guide to achieve different shades of grey using White, Grey or Black. For more details visit www.u-pol.com

Colour Mixing Ratio					
S2021W White	100%		75%		
S2021 Grey		100%		50%	
S2021B Black			25%	50%	100%

TECHNICAL DATA



- Substrates**
- Original Paint
 - Mild Steel
 - E-coat
 - etch primer (for galv/ aluminium)
 - SMC
 - U-POL Polyester Fillers

	Base	Mixed
Viscosity		30 - 55 s/ DIN 4
Solid content	72.00%	66.10%
Specific gravity g/cm³	1.58	1.41



APPLICATION GUIDE



Tools Required

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

Hardener Selection

Please note this product is compatible with the S2030 to S2033 range but not recommended with S2031.

Temperature °C	Hardener
5 -20°C	S2030
15 - 35°C	S2032
25 - +40°C	S2033



Substrate Preparation

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 P320 or dry flat with P280.

Bare Metal (mild steel): abrade with P180.

Aluminium and zinc coated steel: must first be coated with 1-2 light coats of ACID#8 1K Etch Primer and allowed to dry for 20 minutes.

GRP, SMC, Glass fibre, Polyester Filler: dry flat with P240.

E-coat: abrasion not required

Before applying primer, clean lightly once more with SYSTEM 20 Degreasers and dry thoroughly.



Mixing Ratio

	High Build Primer	Primer Surfacer
S2021:Hardener	5:1	5:1
S2045 Thinners	nil	10%

Mixing by Weight (grams)

S2021	200	200
S2032	25	25
S2045 Thinners		13



Viscosity DIN 4 / sec

45 - 55

30 - 35

Working Pot-Life @ 20°C

1 - 2 hours

1 - 2 hours



Compliant HVLP Gravity Gun

Gun tip size

1.7 - 2.0mm

1.6 - 1.8mm

Air Pressure at the gun

1.8 - 2.0 bar



Coats

1 - 2 coats
Build / microns approx 180

2 - 3 coats
120 - 180



Flash-off @ 20°C

Between coats

15 mins

10 mins



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Drying Times

Sandable @ 20°C	2 - 3 hours	2 - 3 hours
Sandable @ 60°C	30 mins	30 mins



Sanding

Dry Sanding / Abrasive	P400 - P600	P400 - P600
Wet Sanding / Abrasive	P600 - P800	P600 - P800



Over Painting

S2021 Primer formulation can be directly topcoated with most solvent and water-based basecoats or solid colours.

STORAGE & VOC INFORMATION



Shelf Life

2 years from date of manufacture in sealed original containers.

Recommended Storage Temperature 5°C - 25°C

Recommended Application Temperature As per the Hardener Selection table above.

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.
After 10 minutes standing, the paint may need mild agitation to reliquify before 2nd and 3rd coat applications.



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VOC Information

The EU limit for this product (product category: IIB.(b) in ready to use form is 540 g/litre.
 The VOC content of this product in ready to use form is:

Order Code	Format	Colour	Ready to use VOC g/l	
			High Build Primer	Primer Surfacer
S2021W/1	1L Tin	White	469	504
S2021W/3	3L Tin	White	469	504
S2021W/5	5L Tin	White	469	504
S2021G/1	1L Tin	Grey	480	503
S2021G/3	3L Tin	Grey	480	503
S2021G/5	5L Tin	Grey	480	503
S2021B/1	1L Tin	Black	469	516
S2021B/3	3L Tin	Black	469	516
S2021B/5	5L Tin	Black	469	516

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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