



HIGH TECK 7430 2.1 VOC DTM HIGH SOLIDS PRIMER - GRAY

Version: 2.0 Date of issue: 10/07/2019 Revision date: 15/08/2019 Supersedes: 10/07/2019

TECHNICAL DATASHEET

HIGH TECK 7430 2.1 VOC DTM HIGH SOLIDS PRIMER is a quality 2K primer with direct to metal capabilities. It may be used as a high solids primer, a primer surfacer or a wet-on-wet tintable sealer. It is a fast drying, easy sanding primer that quickly fills sand scratches.

- Can be air dried, low baked or I.R. cured.
- Easy to sand and gives perfect gloss hold out.
- Excellent build, opacity and hiding power.

Application Guide

Tools Required	<p>7800 WIPEOUT SURFACE PREP 7801V FINAL WIPEOUT LOW VOC WATERBASED ANTI-STATIC WAX & GREASE REMOVER HVLP Gravity Gun P180-P800 Abrasives Personal Protective Equipment (please see Safety Data Sheet) Tack Cloth</p>			
Surface Preparation	<p>Substrate</p> <p>Original Paint Bare Steel Aluminum Galvanised Fiberglass, Fiberglass, SMC Polyester Body Filler E-Coat</p>	<p>Degreaser</p> <p>7800 / 7801V 7800 / 7801V 7800 / 7801V 7800 / 7801V 7800 / 7801V 7800 / 7801V 7800 / 7801V</p>	<p>Abrasion</p> <p>P280 (dry), P320 (wet) P180 P180 P180 P240 (dry) P240 (dry) Not required</p>	<p>HIGH TECK 7430 2.1 VOC DTM HIGH SOLIDS PRIMER is multifunctional and has superb adhesion to all the substrates above. Clean and degrease removing dirt, oil, grease and wax using cleaning solutions such as 7800 / 7801V. Please be aware of your local solvent-cleaning VOC rules. Abrade with grit paper as stated above for each respective substrate. Re-clean, dry and degrease the abraded substrate ready for application. For optimum results on bare metal, galvanised steel and aluminium surfaces, apply 1-2 light even coats of an Etch-Primer, allowing 30 minutes drying time before priming.</p>
Hardener Selection	<p>Application Temperature</p> <p>50 – 80 °F 60 – 90 °F 70 – 100 °F</p>	<p>Speed</p> <p>Fast Medium Slow</p>	<p>Activator</p> <p>7591 2.1 VOC FAST UNIVERSAL ACTIVATOR 7592 2.1 VOC MEDIUM UNIVERSAL ACTIVATOR 7593 2.1 VOC SLOW UNIVERSAL ACTIVATOR</p>	
Mixing Ratio Parts by Volume	<p>Primer Activator Reducer</p>	<p>High Build Primer</p> <p>4 1 -</p>	<p>Primer Surfacer</p> <p>4 1 1</p>	<p>Wet-on-Wet Primer</p> <p>4 1 2</p>
Gun Application	<p>Viscosity (ZAHN#2) Working Pot-Life at 68 °F Gun Tip Size Air Pressure at Gun</p>	<p>50 – 70 Seconds 1 – 2 hour 1.7 – 2.0 mm 1.8 – 2.0 bar</p>	<p>20 – 22 Seconds 1 – 2 hours 1.6 – 1.8 mm 1.8 – 2.0 bar</p>	<p>16 – 18 Seconds 2 – 3 hours 1.3 – 1.4 mm 1.8 – 2.0 bar</p>
Coats	<p>Number of Coats Flash-off at 70°F Dry Film Build Approximate Theoretical Coverage*</p>	<p>1-2 15 minutes between coats 180 µm 30 ft² per liter</p>	<p>2-3 10 minutes between coats 100 – 200 µm 45 ft² per liter</p>	<p>1-2 10 minutes between coats 30 – 60 µm 39 ft² per liter</p>
Drying Time	<p>Sandable at 20°C Sandable at 60°C</p>	<p>3 – 4 hours 30 minutes</p>	<p>3 – 4 hours 30 minutes</p>	<p>2 – 3 hours 30 minutes</p>
Sanding	<p>Dry Sanding</p>	<p>P320 - P400</p>	<p>P320 - P400</p>	<p>P320 - P400</p>

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	Wet Sanding	P500 - P800	P500 - P800	P500 - P800
Over-Painting	HIGH TECK 7430 2.1 VOC DTM HIGH SOLIDS PRIMER can be directly overpainted with most water/solvent-based paint systems or solid colours.			

Technical information

Physical properties	Appearance	Viscous, Liquid.		
	Color	Gray		
	Specific gravity / density	1.645 (1.6 – 1.69) g/cm ³		

		Unmixed		
	As Packaged Regulatory VOC	266 g/l (2.2 lbs/gal)		
	As Packaged Actual VOC	201 g/l (1.7 lbs/gal)		
	Percent Solids	76.01 wt%		
	Percent Solids	53.33 vol %		
	Volatiles	24.0 wt%		
	Water Content	0 wt%		
	Water Content	0 vol %		
	Exempt Compounds by weight	11.7 wt%		
	Exempt Compounds by volume	24.3 vol %		
	% HAPS	6.3 wt%		
	Specific gravity / density	1638 g/l (13.7 lbs/gal)		

		4:1	4:1:1	4:1:2
		7591	7591 + Fast Reducer	7591 + Fast Reducer
	As Applied Regulatory VOC	248 g/l (2.1 lbs/gal)	248 g/l (2.1 lbs/gal)	248 g/l (2.1 lbs/gal)
	As Applied Actual VOC	170 g/l (1.4 lbs/gal)	141 g/l (1.2 lbs/gal)	121 g/l (1.0 lbs/gal)
	Percent Solids	70.6 wt%	63.40 wt%	57.51 wt%
	Percent Solids	49.84 vol %	41.54 vol %	35.60 vol %
	Volatiles	29.4 wt%	36.6 wt%	42.5 wt%
	Water Content	0 wt%	0 wt%	0 wt%
	Water Content	0 vol %	0 vol %	0 vol %
	Exempt Compounds by weight	18.2 wt%	26.6 wt%	33.4 wt%
	Exempt Compounds by volume	31.7 vol %	43.1 vol %	51.2 vol %
	% HAPS	5.4 wt%	4.9 wt%	4.4 wt%
	Specific gravity / density	1522 g/l (12.7 lbs/gal)	1413 g/l (11.8 lbs/gal)	1335 g/l (11.1 lbs/gal)

VOC Information



		4:1	4:1:1	4:1:2
		7592	7592 + Fast Reducer	7592 + Fast Reducer
	As Applied Regulatory VOC	248 g/l (2.1 lbs/gal)	233 g/l (1.9 lbs/gal)	233 g/l (1.9 lbs/gal)
	As Applied Actual VOC	170 g/l (1.4 lbs/gal)	128 g/l (1.1 lbs/gal)	112 g/l (0.9 lbs/gal)
	Percent Solids	70.43 wt%	60.28 wt%	55.29 wt%
	Percent Solids	50.17 vol %	41.19 vol %	36.05 vol %
	Volatiles	29.6 wt%	39.7 wt%	44.7 wt%
	Water Content	0 wt%	0 wt%	0 wt%
	Water Content	0 vol %	0 vol %	0 vol %
	Exempt Compounds by weight	18.5 wt%	30.4 wt%	36.2 wt%
	Exempt Compounds by volume	31.3 wt%	45.1 wt%	52.0 vol %
	% HAPS	5.4 wt%	4.3 wt%	3.9 wt%
	Specific gravity / density	1531 g/l (12.8 lbs/gal)	1376 g/l (11.5 lbs/gal)	1312 g/l (10.9 lbs/gal)

		4:1	4:1:1	4:1:2
		7593	7592 + Fast Reducer	E9990 + Fast Reducer
	As Applied Regulatory VOC	248 g/l (2.1 lbs/gal)	233 g/l (1.9 lbs/gal)	248 g/l (2.1 lbs/gal)
	As Applied Actual VOC	170 g/l (1.4 lbs/gal)	128 g/l (1.1 lbs/gal)	121 g/l (1.0 lbs/gal)
	Percent Solids	69.85 wt%	60.28 wt%	57.01 wt%
	Percent Solids	41.54 vol %	39.7 wt%	35.76 vol %
	Volatiles	30.1 wt%	37.2 wt%	43.0 wt%
	Water Content	0 wt%	0 wt%	0 wt%
	Water Content	0 vol %	0 vol%	0 vol %
	Exempt Compounds by weight	19.1 wt%	30.4 wt%	34.0 wt%
	Exempt Compounds by volume	31.4 wt%	45.1 vol %	51.0 vol %
	% HAPS	5.4 wt%	4.3 wt%	4.4 wt%
	Specific gravity / density	1542 g/l (12.9 lbs/gal)	1376 g/l (11.5 lbs/gal)	1350 g/l (11.2 lbs/gal)

These values are based on theoretical calculations. Batch-to-batch variations may lead to small differences in VOC values. Please be aware that the addition of additives such as a reducer will lead to changes in VOC content. A generic "Fast Reducer" formulation has been used in this case to estimate the set of 4:1:1 Primer Surfacer and 4:1:2 Wet-On-Wet VOC values. Please ensure you use a reducer that will not cause your final mix to exceed local VOC limits.

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Shelf Life & Storage



Equipment Cleaning

Clean gun immediately after use with a thinner or gunwash. Please choose gun-cleaner products which are VOC compliant in your area.

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.

Order Code

Format

Shelf Life

Comment

HIT.7430-1
HIT.7430-4
HIT.7591-25
HIT.7591-4
HIT.7592-4
HIT.7592-16
HIT.7592-25
HIT.7593-25
HIT.7593-4

1 US Gallon Tin
1 QT Tin
2.5L Tin
1 QT Tin
1 QT Tin
250ml Tin
2.5L Tin
2.5L Tin
1 QT Tin

2 years
2 years
1 year
1 year
1 year
1 year
1 year
1 year
1 year

Date of manufacture and/or 5-digit batch code printed on base of tin/adhesive label/adhesive label on kit box. e.g. 93822 = 2019, week 38, batch 22

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Recommended storage temperature

41°F - 77°F

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

The contents of the package must be blended with other components before the product can be used. Any mixture of components will have hazards of all components. Before opening the packages, read all warning labels. Follow all precautions. The material is designed for application only by professionally trained personnel using proper equipment under controlled conditions, and is not intended for sale to the general public.

SEE MSDS AND PRODUCT LABELS FOR ADDITIONAL SAFETY INFORMATION

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