



HIGH TECK 7730 2K HIGH BUILD URETHANE PRIMER SURFACER - GRAY

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

TECHNICAL DATASHEET

HIGH TECK 7730 2K HIGH BUILD URETHANE PRIMER SURFACER 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>	
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>E9970 FAST UNIVERSAL ACTIVATOR E9980 MEDIUM UNIVERSAL ACTIVATOR E9990 SLOW UNIVERSAL ACTIVATOR</p>	
Mixing Ratio Parts by Volume	<p>Primer</p> <p>Activator</p> <p>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 (DIN 4)</p> <p>Working Pot-Life at 68 °F</p> <p>Gun Tip Size</p> <p>Air Pressure at Gun</p>	<p>50 – 65 Seconds 1 – 2 hour 1.7 – 2.0 mm 1.8 – 2.0 bar</p>	<p>20 – 24 Seconds 1 – 2 hours 1.6 – 1.8 mm 1.8 – 2.0 bar</p>	<p>14 – 16 Seconds 2 – 3 hours 1.3 – 1.4 mm 1.8 – 2.0 bar</p>
Coats	<p>Number of Coats</p> <p>Flash-off at 70°F</p> <p>Dry Film Build</p> <p>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</p> <p>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 7730 2K HIGH BUILD URETHANE PRIMER SURFACER - GRAY 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	1.69 (1.67 – 1.71) g/cm ³		

	Unmixed		
As Packaged Regulatory VOC	400 g/l (3.33 lb/gal)		
As Packaged Actual VOC	400 g/l (3.33 lb/gal)		
Percent Solids	76.23 wt%		
Percent Solids	54.89 vol %		
Volatiles	23.8 wt%		
Water Content	0 wt%		
Water Content	0 vol %		
Exempt Compounds by weight	0 wt%		
Exempt Compounds by volume	0 vol %		
% HAPS	11.1 wt%		
Specific gravity / density	1684 g/l (14.0 lbs/gal)		

	4:1 E9970	4:1:1 E9970 + Fast Reducer	4:1:2 E9970 + Fast Reducer
As Applied Regulatory VOC	440 g/l (3.7 lbs/gal)	509 g/l (4.2 lbs/gal)	558 g/l (4.7 lbs/gal)
As Applied Actual VOC	440 g/l (3.7 lbs/gal)	509 g/l (4.2 lbs/gal)	558 g/l (4.7 lbs/gal)
Percent Solids	71.36 wt%	64.22 wt%	58.37 wt%
Percent Solids	50.14 vol %	41.78 vol %	35.81 vol %
Percent Solids	28.6 wt%	35.8 wt%	41.6 wt%
Volatiles	0 wt%	0 wt%	0 wt%
Water Content	0 vol %	0 vol %	0 vol %
Water Content	0 wt%	0 wt%	0 wt%
Exempt Compounds by weight	0 vol %	0 vol %	0 vol %
Exempt Compounds by volume	17.0 wt%	23.5 wt%	28.7 wt%
% HAPS	1535 g/l (12.8 lbs/gal)	1422 g/l (11.8 lbs/gal)	1341 g/l (11.2 lbs/gal)
Specific gravity / density			

	4:1 E9980	4:1:1 E9980 + Fast Reducer	4:1:2 E9980 + Fast Reducer
As Applied Regulatory VOC	445 g/l (3.7 lbs/gal)	513 g/l (4.3 lbs/gal)	562 g/l (4.7 lbs/gal)
As Applied Actual VOC	445 g/l (3.7 lbs/gal)	513 g/l (4.3 lbs/gal)	562 g/l (4.7 lbs/gal)
Percent Solids	71.17 wt%	64.08 wt%	58.27 wt%
Percent Solids	50.42 vol %	42.02 vol %	36.01 vol %
Percent Solids	28.8 wt%	35.9 wt%	41.7 wt%
Volatiles	0 wt%	0 wt%	0 wt%
Water Content	0 vol %	0 vol %	0 vol %
Water Content	0 wt%	0 wt%	0 wt%
Exempt Compounds by weight	0 vol %	0 vol %	0 vol %
Exempt Compounds by volume	12.6 wt%	19.5 wt%	25.1 wt%
% HAPS	1544 g/l (12.9 lbs/gal)	1429 g/l (11.9 lbs/gal)	1347 g/l (11.2 lbs/gal)
Specific gravity / density			

	4:1 E9990	4:1:1 E9990 + Fast Reducer	4:1:2 E9990 + Fast Reducer
As Applied Regulatory VOC	446 g/l (3.7 lbs/gal)	514 g/l (4.3 lbs/gal)	562 g/l (4.7 lbs/gal)
As Applied Actual VOC	446 g/l (3.7 lbs/gal)	514 g/l (4.3 lbs/gal)	562 g/l (4.7 lbs/gal)
Percent Solids	71.15 wt%	64.07 wt%	58.27 wt%
Percent Solids	41.78 vol %	42.04 vol %	36.03 vol %
Percent Solids	28.8 wt%	35.9 wt%	41.7 wt%
Volatiles	0 wt%	0 wt%	0 wt%
Water Content	0 vol %	0 vol %	0 vol %
Water Content	0 wt%	0 wt%	0 wt%
Exempt Compounds by weight	0 vol %	0 wt%	0 wt%
Exempt Compounds by volume	0 wt%	0 vol %	0 vol %
% HAPS	9.7 wt%	16.8 wt%	22.6 wt%
Specific gravity / density	1545 g/l (12.9 lbs/gal)	1429 g/l (11.9 lbs/gal)	1347 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.7330-1	1 US Gallon Tin	2 years	
HIT.E9970-16	250ml Tin	1 year	
HIT.E9970-25	2.5L Tin	1 year	
HIT.E9970-4	1 QT Tin	1 year	
HIT.E9980-16	250ml Tin	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
HIT.E9980-25	2.5L Tin	1 year	
HIT.E9980-4	1 QT Tin	1 year	
HIT.E9990-25	2.5L Tin	1 year	
HIT.E9990-4	1 QT Tin	1 year	
HIT.E9970-16	250ml Tin	1 year	
HIT.E9970-25	2.5L Tin	1 year	

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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