



HIGH TECK™

TECHNICAL DATA SHEET

8000-1 Clearcoat

DESCRIPTION

Manufactured in Europe using high quality European resins, High Teck 4:1 Clearcoat gives a high build, crystal clear finish with exceptional gloss retention. It's easy to apply with excellent flow and non-sag properties and hardens rapidly to give a durable, UV resistant finish. Once cured it can be easily buffed.

- Can be used for spot or multi-panel repairs.
- Can be applied over most water and solvent borne basecoat paints
- Air dry or low bake.

TECHNICAL DATA



Substrates

- Manufacturers basecoat, solvent or waterbased
- OEM finishes

Base

Mixed

Viscosity

19 - 23 s/ ZAHN#2

Solid content

33.00%

31.60%

Specific gravity

0.914 g/cm³0.917 g/cm³

APPLICATION GUIDE



Tools Required

- SYSTEM 20 Solvent/Water based Degreasers
- HVLP Gravity Gun
- High Teck Tack Cloth
- P1000-P1500 Grit Sandpaper
- Personal Protective Equipment (see SDS for more information)

Activator Selection

Temperature °F	Activator
80 - 95 °F	High Teck 8020-4 - Slow Activator
50 - 85°F	High Teck 8010-4 - Medium Activator
> 85°F	*High Teck 8010-4 +10% Reducer

*Addition of a Reducer such as HIT7710 may affect the applied VOC Value.
Please check local VOC regulations or use HIT 7770 0 VOC Reducer.



Substrate Preparation

Dry waterbased or solvent based basecoat to the manufacturers instructions.

For best results, good preparation is essential:

Clean and degrease removing dirt, oil, grease and wax with a cleaning solution, like HIT 7800 Surface Preparation Wipe Out Wax or HIT 78001V-1 Final Wipeout Low VOC Surface Prep (please check local VOC regulations).

Prepare original cured paint: wet sand with P1000 - P1200 or dry sand with P1000.

Re-clean, degrease and dry the abraded substrate. Use a Tack Cloth immediately prior to application.



Mixing Ratio

HIT 8000-1

Standard Application

4:1 parts by volume

May be reduced by up to 10% - please see VOC information

Final Volume	Weight of Clearcoat	Weight of Activator	
		HIT 8010-4	HIT 8020-4
250ml / 8.5 FL OZ	183 g	47 g	49 g
500ml / 17 FL OZ	365 g	93 g	99 g
750ml / 25 FL OZ	548 g	140 g	148 g
1000ml / 34 FL OZ	731 g	186 g	197 g



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**Viscosity ZAHN#2 / sec**

19 - 23 seconds

Working Pot-Life @ 68°F

7 - 8 hours

**Compliant HVLP Gravity Gun**

Gun tip size

1.2 - 1.4 mm

Air Pressure at the gun

2 bar (29 PSI)

**Coats**

2 coats

Film Build

40 µm (1.5 MIL) total dry film thickness

Theoretical Coverage* approx.

71 ft²/liter (67 ft²/quart)

335 ft²/gallon + quart kit

Theoretical Coverage assuming 100% transfer efficiency and giving the dry film thickness between indicated values.*Flash-off @ 68°F**

Between coats

2 - 5 minutes

**Drying Times**

Tack free @ 68°F

< 20 minutes

Through dry @ 68°F

16 hours

Through dry @ 140°F

30 minutes

Overcoating

Less than 20 hours

No abrasion required

More than 20 hours

P1000-P1200

**Polishing**

Ready to polish @ 68°F

16 - 24 hours

Ready to polish @ 140°F

Approximately 1 hour after cool down of object to ambient temperature from bake cycle.

De-nib

For dirt removal, lightly sand/denib with P1500 abrasive paper and compound.

STORAGE & VOC INFORMATION

**Shelf Life**

2 years from date of manufacture in sealed original containers.

Recommended Storage Temperature

40°F - 75°F

Recommended Application Temperature

As per the Activator Selection table above.

Equipment CleaningClean gun immediately after use with HIGH TECK I reducer or gunwash.
Please check local VOC regulations.**Important Remarks**

Do not use activated product beyond pot life.

Activated material should not be returned to the original can of non-activated material.

VOC Information

	HIGH TECK 8000-1	
VOC Regulatory	536 g/l	4.5 lb/gal
VOC Actual	375 g/l	3.1 lb/gal
Percent Solids	33% by weight	27.4% by volume
Volatiles	67% by weight	
Water	0% by weight	0% by weight
Exempt compounds	26.0% by weight	30.1% by volume
HAPS	25.0% by weight	
Density	914 g/l	7.6 lbs/gal



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	HIT 8000-1 As Applied when mixed 4:1 with HIT 8010-4		HIT 8000-1 As Applied when mixed 4:1 with HIT 8020-4	
VOC Regulatory	576 g/l	4.8 lbs/gal	585 g/l	4.9 lbs/gal
VOC Actual	438 g/l	3.6 lbs/gal	445 g/l	3.7 lbs/gal
Percent Solids	31.6% by weight	26.3% by volume	31.6% by weight	26.7% by volume
Volatiles	68.4% by weight		68.4% by weight	
Water	0% by weight	0% by weight	0% by weight	0% by weight
Exempt compounds	20.7% by weight	24.1% by volume	20.5% by weight	24.1% by volume
HAPS	34.0% by weight		20.6% by weight	
Density	917 g/l	9.1 lbs/gal	928 g/l	7.7 lbs/gal

4:1 mix may be reduced up to 10%. **Please note:** addition of additives such as reducers may increase the VOC content of the applied mixture. Please check your local VOC regulations to ensure compliance. Alternatively, use "zero-VOC" additives.

REORDER CODE

Order Code	Size	Product
HIT 8000-1	1 US GAL Tin	4:1 Clearcoat
HIT 8010-4	1 QT Tin	Standard Activator
HIT 8020-4	1 QT Tin	Slow Activator
HIT 7730-1	GA	Slow Reducer
HIT 7710-1	GA	2.1 VOC Fast Reducer

HIT 7810V-1	5L Canister	Waterbased Degreaser
HIT 7800-1	GA	Solvent-Based Fast Degreaser

HIT T501	Gun	HVLP Gravity Spray Gun 1.4 mm Tip
HIT PS205W	M	Painters Overalls
HIT PS210W	L	Painters Overalls
HIT PS215W	XL	Painters Overalls
HIT PS220W	XXL	Painters Overalls
HIT PS225W	XXXL	Painters Overalls

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. HIGH TECK claims 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 distributor or via the HIGH TECK website at WWW.HIGHTECK.COM. HIT is not responsible for the results obtained by others over whose methods we have no control and thereof HIGH TECK is not liable for consequential or incidental damages including loss of profits.

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