

The Ultimate in Automotive Refinishing and Coatings



CLARITY I-180 2K HYBRID CARRIER

TECHNICAL DATA SHEET

CANADA EN

UNITED STATES EN

LOW VOC, CALIFORNIA APPROVED

Appearance:

Clear Liquid, Water White

Relative density	1.0 - 1.06	
Density (kg / gal)	3.78 - 4.01	
Density (lbs / gal)	8.34 - 8.84	
Percent Solids By Weight	57 ± 2	
Percent Solids By Weight, RTS	59 ± 2	
VOC* Less exempt	(g/L)	(lbs/gal)
I-180 CLARITY Hybrid Carrier	269	2.24
VOC, As applied	(g/L)	(lbs/gal)
Ready-To-Spray (RTS) with Hardener:		
I-180H Hardener with I-180	240	2.01

*** I-180H % Solids By Weight: 63 ± 2**

Relative density	1.0 - 1.04
Density (kg / gal)	3.79 - 3.86
Density (lbs / gal)	8.34 - 8.68



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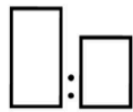
I-180 2K HYBRID CARRIER

Introducing the I-180 2K Hybrid Carrier, the first product Durafil's newest line: CLARITY.

0% opacity, 2 Component, high technology. This hybrid product can also be used as a binder; adding up to 500G of additives to a gallon. INCREDIBLE ADHESION; No Scuffing, or clear coating between different coats. This product ensures NO bleed through. You can safely scuff over Metallics & Colored Flakes. Wet on Wet Technology, air drying in 5 - 45 minutes, with an open window of 24 Hours. The I-180 has a unique technology where the additives safely burry underneath a protective layer while ensuring metrical capacity for your additives resulting in INSANE DOI.

65% Solids, stackable with an incomparable ability to agitate on its own. Ultra UV protection. Superior flexibility, leveling & flow capabilities. Will not lift to tape lines. LOW VOC, CALIFORNIA APPROVED.

COMPONENTS



ADDITIVES		ACTIVATOR	REDUCER
Fine / Ghost Pearl / Micro Flake	Up To 500G Per Gallon	I - 180H	I - 180R
Heavy Metallic / Corse Pearl	Up To 500G Per Gallon	I - 180H	I - 180R
Flake	Up To 30% Per Gallon	I - 180H	I - 180R
Kandy Concentrate	Up To 20% Per Gallon	I - 180H	I - 180R

MIX RATIO



MIX RATIO	1-180 HYBRID CARRIER	I-180 HARDENER	I-180R SMALL SURFACE	I-180R LARGE SURFACE
Fine / Ghost Pearl / Micro Flake	4	1	10-15%	Up tp 40%
Heavy Metallic / Corse Pearl	4	1	10-15%	
Flake	4	1	0-10%	
Kandy Concentrate	4	1	10%	28%
Airbrush	4	1	30%	
Airbrush: HIGH DETAIL / MICRONS	4	1	40%	

***See appropriate Pearl/Flake/Metallic Manufacturer TDS for amounts per sprayable material

SPRAY PRESSURE AND TIP: CONVENTIONAL & AIRBRUSH



MIX RATIO	PRESSURE	TIP	DISTANCE
Fine / Ghost Pearl / Micro Flake	22 - 35 PSI	1.4	10 - 12 INCHES
Heavy Metallic / Corse Pearl	22 - 35 PSI	1.4	10 - 12 INCHES
Flake	22 - 35 PSI	1.8	10 - 12 INCHES
Kandy Concentrate	22 - 35 PSI	1.4	10 - 12 INCHES
Airbrush	25 PSI	0.3 - 0.5	1 - 6 INCHES
Airbrush: HIGH DETAIL / MICRONS	13 - 18 PSI	0.1 - 0.2	1 - 6 INCHES

I-180 2K HYBRID CARRIER

BASECOAT MIXING/APPLICATION



I-180 Hybrid Carrier	1/2 Pint	1 Pint	1/2 Quart	1 Quart	1 Gallon
Pearls & Mettals	31.25G	47.25G	63.25G	79.25G	500G
I-180R Reducer	20-30%	20-30%	20-30%	20-30%	20-30%

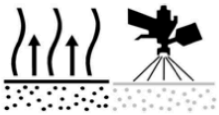
**** Reducer % will be determined by the weight of the additive. Adjust viscosity accordingly.**

Mix 4:1 + additives & reducer. Wet on Wet application for the first two coats. Flash between 1-5 minutes for further coat(s), depending on the tip size, and surface size during application, the distance to the substrate & temperature.



2 Hours at 75 F / 20 C

DRY TIME | RECOAT | TAPE TIME



Air Dry at 75F / 21C **5 to 45 Minutes** depending on the viscosity/reduction & size of surface and gun/tip size. Recoat window is up to 24 Hours.

****** After 24 hours dry sand/scuff surface with 500 and respray 1 FULL wet-coat.**

Tape Time 5-45 Minutes

DO NOT BAKE OR SPEED DRY THIS PRODUCT, DO NOT APPLY THIS PRODUCT IN THE DIRECT SUN WHEN WET. ALLOW THE I-180 TO AIRDRY IN A SHADED AREA.

APPLICATION FOR ALL ADDITIVES



0.5 To 1 Full Coat:

For Highlights, Fades, Shadow Work. Wet On Wet Application, Allow for 5-10 Minutes to Air Dry. ** Application specific for air brush, and touch up guns

2 - 4 Full Coats:

To Seal and Level

Basecoats & Candys:

Basecoats/Candys: Apply 2-3 coats wet on wet allow to dry and apply 1 heavy wet coat of the I-180 should you not be applying any further coats (flakes/artwork). Finish your surface with the C-9800 Gloss-Fil Urethane Overall Clearcoat or safely sand with 500 (should your surface overlap the 24 hour) and clear.

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Removing Tape Lines & Back Masking

Safely remove tape lines and re coat between at 75F / 21C **5 to 45 Minutes** depending on the viscosity/reduction & size of surface and gun/tip size. When Back Masking it is recommend to wait the full 45 minutes.

TECHNICAL TIPS



The technology of the I-180 2K Hybrid Carrier allows for you to scuff over Heavy Metallics, and Colored Flake, safely with no carrier coats, or clear coats. Guaranteed. For Basecoat/Pearl & Candy application please reference instruction above.

To preserve paint for airbrushing, only activate with a few drops once the paint has been added to your gun. This will provide you with about 2 - 3 Hours of pot life in your airbrush. If you are consistently spraying, the pot life is indefinite.

Before applying tape lines to candy, it is recommended to complete its 45 minute flash time (on large surfaces), to ensure no tracking marks.

When **completing** an application with Heavy flake, it is recommended to apply two wet coats of the I-180 reduced at 10% to ensure optimum visualization and then finish with the C-350 Clarity HS Show Urethane Clearcoat. **(IF YOU ARE NOT DOING ANY ARTWORK)**

***Reference Application for dry times, and sand paper recommendations.**