CB +plus™ UNIVERSAL

ADHESION PROMOTER

PROMOTOR DE ADHESIÓN

hydraBOND®

www.hydrabond.com

Detailed information on CB+Plus!

- ☐ HB6681 1 GALL. 128oz 4/GALLONS/CASE PALLET 50 STATE & (SCAQMD) RULE:1150 COMPLIANT!
- ☐ HB6674 ¼ GALL 32oz 12/QUARTS/CASE 50 STATE & (SCAQMD) RULE:1150 COMPLIANT!
- ☐ HB6711 14oz 12/14oz AEROSOL cans/CASE 50 STATE & (SCAQMD) RULE:1150 & MIR COMPLIANT!

MADE IN JAPAN

Why CB+Plus versus competitive products on the market?

Saves up to 50% less time on preparation, and up to 80% less product compared to our main competitor (Bulldog Adhesion promoter)

Fields

- **You can add 10% CB+Plus to color for flexibility**
- ☐ Easy to apply: 3 Step application!
- ☐ Just wash the (Bumper) or any Compatible substrate with soap and water.
- ☐ Air Dry.
- ☐ Apply ONE mist coat 75-90% coverage!
- ☐ Ready To Apply (RTS)
- ☐ No Sanding or scuffing needed!
- ☐ Makes Paint Stick to raw PLASTICS & metals including:
  - ☐ TPE Thermoplastic
  - ☐ TPO, EPM, TEO Thermoplastic Olefin
  - ☐ PC + PBT Xenoy (Polycarbonate blend)
  - ☐ TPU, TPUR - Thermoplastic Polyurethane
- ☐ RAW ALUMINUM
- ☐ WOOD
- ☐ RAW METAL
- ☐ CHROME
- ☐ FIBER GLASS
- ☐ GLASS
- ☐ CERAMIC
- ☐ MARBLE.
- ☐ Low VOC (Complies with SCAQMD Rule 1151)

- **Ready to paint in 15 minutes**
- **Makes Paint Stick Vehicle's Rims & PLASTIC BUMPERS**
- **Compatible With WATER And SOLVENT Base-coat Systems!**

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ADDITIONAL INFORMATION
COMPARISON TO COMPETITION

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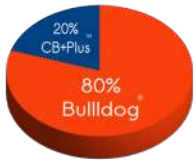
Total minutes typical raw plastic bumper preparation!

(CB+Plus™ vs. Bullldog®)

- CB+PLUS
- Leading Brand (bulldog)

Product used: CB+Plus 20% Bullldog® 80%



That Is 80% Product savings!

☐ Apply one mist coat of CB+Plus 75-80% coverage, but no more than 90% coverage

☐ Ready To Apply (RTS)

☐ Air Dry.

☐ Ready to paint in 10 minutes

☐ Easy to apply: 3 Step application!

☐ Compatible With WATER And SOLVENT Base-coat Systems!

☐ Just wash the (Bumper) or any substrate with soap and water.

☐ No Sanding or scuffing needed!

☐ let dry for 15 minutes @ (typical temperature would be 78ºF (25.5ºC))

Universal can be applied to:

☐ RAW ALUMINUM

☐ RAW METAL

☐ CHROME

☐ FIBER GLASS

☐ GLASS

☐ CERAMIC

☐ MARBLE

☐ WOOD

Makes pant stick to raw PLASTIC BUMPERS:

☐ Makes Paint Stick Vehicle's Rims

☐ TPE Thermoplastic

☐ TPO, EPM, TEO Thermoplastic Olefin

☐ PC + PBT Xenoy (Polycarbonate blend)

☐ TPU, TPUR - Thermoplastic Polyurethane

VOC Compliant:

☐ Low VOC (Complies with SCAQMD Rule 1151)

What is your current distribution strategy?: Jobber, WD

Pricing distribution strategy?: Jobber, WD

Technical training?: Yes
Freight prepaid : Yes
Terms of sale: 90 days

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TECHNICAL DATA
TDS

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Applicable Substrates and Adhesiveness

◎=very good ○=good △=poor

	Compatibility with substrates and topcoats	Clearbond + Plus	Ordinary Products
Substrates	Aluminum	◎	△
	Alumite processed materials	○	△
	Stainless steel	◎	△
	Galvalume	◎	△
	Copper	◎	△
	Steel	◎	◎
	Color corrugated galvanized iron	◎	○
	Baking finish film	◎	○
	Electro deposition coating film	◎	○
	Fluorine processed Material(*1)	○	
	Chemical conversion coating film(*2)	○	△
	Cold dipped galvanized steel(*3)	○	△
	Hot dipped galvanized steel(*3)	○	
	Lead	○	△
	Brass	○	△
	Chrome plated material	○	○
	Concrete-Mortar	○	○
	Polypropylene (PP)	○	
	Polycarbonate	○	△
	Rigid vinyl chloride	○	△
	ABS ・FRP	○	○
	Poly-decorative sheet	○	△
	Acrylic sheet	○	△
	Melamine decorative sheet	○	△
	Glass ・Porcelain enamel	○	
	Porcelain tile	○	
Compatibility with topcoats	1-component Urethane paint (mild and strong solvent type)	◎	
	2-component Urethane paint (mild and strong solvent type)	◎	
	2-component Acrylic Urethane paint (mild and strong solvent type)	◎	
	1-component epoxy paint	○	
	2-component epoxy paint	○	
	Acrylic lacquer paint	○	
	Straight Acrylic paint		
	Water based paint	○	
	Acrylic Emulsion	△	
	Melamine Baking paint (150 ℃)	◎	
	Acrylic Baking paint (180 ℃)		
	Epoxy Baking paint (180 ℃)		
	Powder Coating (200 ℃)		
	UV paint	△	
	Acrylic Silicone(*4)	△	
	Synthetic Paint ・Phthalic acid based enamel paint	△	
	Water-based cation paint	○	
Baking finish	150 ℃	◎	
	200 ℃		
	2 Coat 1 Bake	△	
	2 Coat 2 Bake		
	Bake on both sides		

Any of the data values above can be changed by climates, surface condition and work environment.
*1 Required sanding before applying
*2 Prohibited thick coating with lacquer paint
*3 Paintable after forming oxide layer followed by surface treatment
*4 Longer dry time needed when two coatings
●Please contact us before applying if you don't have any experiences of applying on the new materials.
●Generally, an ordinary adhesion promoter is applied on a few substrates and it is compatible with limited topcoats.

PHYSICAL AND CHEMICAL PROPERTIES

Item	Property
Appearance in Container	Clear with viscous liquid
Density	0.88
Standard Application Amount	6-10μ 60-80g/ m2
Performance	Spray, Gun, Brush
Dry to Touch	2 min 40 sec. (20 ℃)
Topcoat	More than 20 min. (20 ℃)
Shelf life	12 months (20 ℃)

STANDARD OPERATION

Procedure	Coating/Amount/Operation
Surface Treatment	Remove dirt (rust, oil, grease, water, dust) with solvents and sand papers.
Undercoat	Apply 60-80g/ m2 of Clearbond + Plus with spray gun.
Dry	Summer: 15-20 min. Spring and Autumn: 20-30 min. Winter: 1-2 hours
Topcoat	Apply in conformity to operation procedure of each topcoat.

TEST DATA (WHEN APPLYING URETHANE TOPCOAT)

Item	Property	Results
Adhesion	1mm x 1mm Checkered Area Sticker Tape Tearing Test	100/100
Accelerated Weathering Resistance	Weather meter 2000 hours	OK
Outside Exposure	Exposed outside for 5 years and check second adhesion.	OK
Water Resistance	Subjected to running water from valve at 20 ℃ for 240 hours.	OK
Alkaline Resistance	Subjected to 2% Calcium Hydroxide solution for 48 hours.	OK

Substrate: SECC (Single Edge Contact Cartridge)

Environment Friendly Adhesion promoter

F ☆☆☆☆	
Complies with Formaldehyde Emission Grade	
Register Number	TI8008 with Japan Paint Industry Association
Contact	http://www.toryo.or.jp