## 2014 Sign Training • GRIP-GARD BC SYSTEM





### PICTOGRAM DESCRIPTION



Degrease



Machine sand dry



Hand sand wet



Hand sand dry



**Scotch Brite** 



Use Akzo Measuring Stick



Ready to Spray



Mixing Ratio: 2 components, equal portions



Mixing Ratio: 2 components



Mixing Ratio: 3 components



Stir



Siphon Feed Spray gun



Gravity Spray gun



Application Method: Siphon gun



Application Method: Gravity gun



Delieb



Clack of



Druing tim



Use fresh air mask or charcoal respirator



Addition of catalyst



Stor free from frost



Store in a cool place



Protect from Humidity



Close can



See Technical Data Sheet



Brush



Roller

## **GRIP-GARD®**

Surface Cleaners

### M600 Surface Cleaner

M600 IS A SOLVENT BASED WAX AND GREASE REMOVER. IT HAS STRONG DEGREASING PROPERTIES BUT IS MILD ON SENSITIVE SUBSTRATES.



Contains VM&P Naphtha, mineral spirits and other ingredients. A solvent protecting respirator should be used especially when working in confined areas and always wear gloves when degreasing.

VOC Content 6.3 lbs./gal.

## SUITABLE SURFACES:

- Existing finishes, sanded and un-sanded
- Steel, galvanized steel, aluminum
- sanded primer surfacers



Wash down area to be painted with M600 Wax and Grease Remover. This will neutralize wax residue, oil or grease buildup on the surface. Follow with Autoclean Surface Cleaner if water soluble contaminants are present.



With a clean wiping towel, remove the M600 before it has time to evaporate.



Always use a clean, fresh towel for washing down and a fresh towel for wiping dry. Replace towels regularly.



NOTES: Never allow M600 to evaporate. Immediately wipe the surface dry with a clean towel. Not for use on plastic.

#### GRIP-FLEX T-4000 Surface Cleaner

T-4000 IS A MILD SOLVENT BASED CLEANER FOR USE ON MOST PLASTIC SUBSTRATES AND AS A MILD SURFACE CLEANER FOR OTHER MATERIALS.



Contains blend of alcohol solvents. A solvent protecting respirator should be used especially when working in confined areas and always wear gloves when degreasing.

VOC Content 6.6 lbs./gal.

## SUITABLE SURFACES:

- -Polycarbonate, acrylic, ABS, styrene and most rigid PVC substrates.
- -Primed and existing finishes

#### SUBSTRATE PRE-CLEANING METHOD



With clean lint free rags, wash down the area to be painted with T-4000 to remove surface contaminants.



With clean lint free wiping towels, remove the T-4000 before it has time to evaporate.

#### To Remove Light contamination or Static



Blend equal parts of T-4000 and clean water. A mix ratio of 1:1 by volume.



- -With clean lint free rags, wash down the area to be painted with T-4000 to remove surface contaminants.
- With clean lint free wiping towels, remove the T-4000 before it has time to evaporate.

### AUTOPREP, Ultra Prep Surface Cleaner

AUTOPREP, ULTRA PREPSURFACER CLEANER IS A WATER BASED CLEANER, IDEAL FOR THE REMOVAL OF TREE SAP, BIRD DROPPINGS, SALT AND HAND OILS.



Contains Specialty surfactants, cleaners and other ingredients. A solvent protecting respirator should be used especially when working in confined areas and always wear gloves when degreasing.

VOC Content 0.00 lbs./gal.

## SUITABLE SURFACES:

- Existing finishes, sanded and un-sanded
- Steel, galvanized steel, aluminum
- All sanded primer surfacers
- Plastic Parts



Wash down the area to be painted with Autoprep Ultra Prep. This will remove any contamination.



Allow Autoprep Ultra Prep to remain on the surface for two or more minutes to loosen and float contaminates before wiping with dry towel.

- Never allow Autoprep Ultra Prep to evaporate.
- Always use a fresh towel for washing down and a fresh towel for wiping dry.
- Replace towels regularly.



NOTES: Because of Autoprep Ultra Prep extremely low VOC content, it can be used in all VOC regulated areas.

A grey scuff pad can be used with Autoprep Ultra Prep on heavily contaminated surfaces to be painted.

# **GRIP-GARD®**Introduction to Undercoats

- Primer
- Primer Surfacer
- Primer Sealer
- Primer-Adhesion Promoter

#### **GRIP-GARD PRIMER SUBSTRATE CHART**

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			Traditient Edit	MIGHT	Grad drun	rite 2.7	100 8 st	d des se annitation de la company de la comp	nd Primer	Coche Che	<b>3</b>	
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SUBSTRATES	Alf	OPTU	\$ \fo	243/14	360	Jeris Color	ol grit	en. Cin	Go CY	EARY OR	EREPATION	
Autoprep Pre-Treatment Wiped Metals	×	×	×	X	×	X	×	×				
ALUMINUM	Х	Х	Х	х		Х	Х		1	s		
STEEL	Х	Х	Х	Х		Х	Х		1	s		
GALVANEAL	Х	Х	Х	Х		X	Х		1	s		
GALVANIZED STEEL	×	×	X	×		Х	×		1	s		
ZINC	Х	Х	Х	Х				Х	1	RO	-	
BRASS								Х	1	RO		
BRONZE								Х	1	RO		
ABS								Х	2			
ACRYLIC								Х	2			
ENAMELS*		Х	Х	Х	Х	Х	Х		1	s		
FIBERGLASS		Х	Х	х	Х	Х	Х		1	s		
FLEXIBLE VINYL								Х	2			
URETHANE FOAM			Х	Х	Х	Х	Х		2			
HARDWOOD		Х	Х	Х	Х	Х	Х			s		
PLYWOOD		Х	Х	Х	Х	Х	Х			S		
MDF		Х	Х	X	Х	X	Х			S		
POLYCARBONATE								Х	2			
EXPANDED PVC					Х	Х		Х	2			
RIGID PVC					Х	X		Х	2			
*ENAMELS must be fully cure	ed and n	ot softe	ned by a	a solver	nt soake	d rag.						
CLEAN WITH: 1 GRIP-GARD	M600	2 GRIP	-FLEX T	-4000								

PREPARATION: S= SAND (see T.D.S. for grit recommendations) RO= Remove Oxidation

### AUTOPREP WIPE SYSTEM

Chromium free pre-treatment in ready-to-use, pre-saturated wipes which produce a conversion coating chemical to bond with metal surfaces enhancing adhesion and corrosion resistance



Contains polyvinyl resins.
When mixed, contains phosphoric acid.

## SUITABLE SURFACES:

- Steel

- Aluminum

- Galvanized Steel

### Preparation:





Non Sanding = Clean with M600

Steel P80-P120 Grit Dry
Aluminum P120-P180 Grit Dry
Galvanized steel P120 Grit Dry



Use even pressured, slightly overlapping vertical and horizontal strokes. Make sure to completely wet the entire bare metal surface. The surface should remain wet for one minute for the chemical reaction to be completed.



Always reseal the wipe package immediately after removing wipes.



Allow the wetted surface to completely dry at ambient temperature. Drying can be accelerated with low velocity, clean, warm air. (Do not disturb film.)



Tack off thoroughly prior to primer application (do not sand conversion coating). Auto-Prep Pre-Treatment should be recoated after 30 minutes at 70°F (20°C)

## GRIP-GARD WASHPRIMER WHITE Light Enhancing!

## A SINGLE COMPONENT SELF-ETCHING PRIMER FOR APPLICATION TO METAL SUBSTRATES



Contains polyvinyl resins. When mixed, contains phosphoric acid.

RTS VOC content 6.3 lbs./gal.

## SUITABLE SURFACES:

- Steel
- Aluminum
- Most existing finishes
- Galvanized Steel
- Wood
- Autoprep Wipes

#### Preparation:





Steel P80-P120 Grit Dry Aluminum P120-P180 Grit Dry Galvanized steel P120 Grit Dry



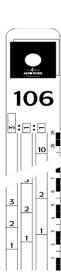
- 3 Parts Grip-Gard Washprimer
- 1 Parts GG BC Reducer Fast, Medium, Slow, Extra Slow

#### **POTLIFE:**

6 months at 70°F/20°C (stored in a plastic container)



Siphon Feed: 1.8 mm
Pressure Feed: 1.0-1.2 mm
Gravity Feed: 1.4-1.8 mm



## GRIP-GARD WASHPRIMER WHITE Light Enhancing!

#### **APPLICATION:**



Spray one single wet coat



Flash 5 minutes if a second coat is required



- Recoatable with Grip-Gard topcoats after 15 minutes at 70°F/20°C.



#### **NOTES:**

- If sanding is required a second application of primer will be required.
- When priming the interior areas of a can or channel letter for example, no additional topcoat is required.

## GRIP-GARD EPOXY SEALER GRAY AND WHITE

A VERY FAST HIGH SOLIDS TWO-COMPONENT EPOXY PRIMER FOR APPLICATION TO METAL SUBSTRATES.

RTS 3.3 lbs./gal.



Contains epoxy resins, modified polyamine resins, solvents and other ingredients.

## SUITABLE SURFACES:

- Autoprep Wipes
- Aluminum
- Steel
- Polyester Fillers
- Wood
- Urethane Foam
- Most Existing Finishes

#### PREPARATION:



Steel P80-P120 Grit Dry Aluminum P120-P180 Grit Dry



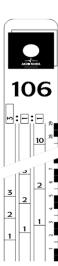
- 3 Parts Grip-Gard Epoxy Sealer Gray or White
- 1 Part Grip-Gard Epoxy Sealer Hardener Fast
- 1 Part Epoxy Sealer Reducer

#### **POTLIFE:**

4 hours at 70°F/20°C



Siphon Feed: 1.8 mm
Pressure Feed: 1.0-1.2 mm
Gravity Feed: 1.4-1.8 mm



## GRIP-GARD EPOXY SEALER GRAY AND WHITE

#### APPLICATION:



Spray one single coat (1 coat = 1 mil dry)



Flash 5 minutes between coats if a second coat is required



- Recoatable with Grip-Gard Plus and Grip-Gard BC Single Stage topcoats after 30 minutes at 70°F/20°C. Sandable after 2 hours at 70°F/20°C.
- Grip-Gard Basecoat after dry and sanding
- Maximum recoat time without sanding is 72 hours at 70°F/20°C.



#### **NOTES:**

-1 mil DFT Dry-Film Thickness required.

#### As a SURFACER:



3 Parts Grip-Gard Epoxy Sealer Gray or White 1 Part Grip-Gard Epoxy Sealer Hardener Fast



Spray up to 3 single coats with 5 minutes flash between coats



-Dry to sand after 8 hours at 70°F/20°C.

### GRIP-GARD URETHANE SEALER / SURFACER

## A URETHANE SEALER AND SURFACER COMBINED THAT IS AVAILABLE IN BOTH WHITE AND GRAY



Contains acrylic resins, solvents and other ingredients. When mixed, Grip-Gard Sealer contains isocyanate.

RTS VOC 4.32 lbs/gal

#### SUITABLE SURFACES:

- All Grip-Gard Primers
- Grip-Gard Surfacers after sanding
- Autoprep Wipes
- Most existing finishes

## Preparation:

- Grip-Gard Primers after 30 minutes at 70°F 20°C
- Grip-Gard Surfacers: P320-P360 grit dry
- Existing finishes: P320-P360 grit dry

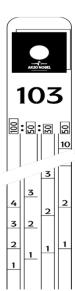
#### **USED AS A SEALER**



100 parts volume Grip-Gard Sealer 50 parts volume Grip-Gard Sealer Hardener 30 parts volume Grip-Gard BC Reducer

**POTLIFE:** 

1 hour at 70°F/20°C



## GRIP-GARD URETHANE SEALER / SURFACER

#### **APPLICATION CONTINUED:**



Siphon Feed Gravity Feed 1.6-1.8 mm 1.3-1.5 mm



Spray one single coat.



If a 2<sup>nd</sup> coat is required allow to flash of for 5-10 minutes between coats.

## Film Thickness:

0.75 - 1.0 mils per coat.



- •Dry to topcoat wet-on-wet with Grip-Gard Plus and Grip-Gard BC Systems after 15-20 minutes at 70°F/20°C.
- •After 1 ½ hours sanding will be required. Allow 12 hours before sanding



**NOTE:** Grip-Gard Sealer must be mixed with Grip-Gard Sealer Hardener.

## GRIP-GARD URETHANE SEALER / SURFACER

#### **USED AS A SURFACER**



- 3 parts by volume Grip-Gard Sealer1 part by volume Grip-Gard Sealer Hardener
- **POTLIFE:**







- part by voiding one our

1 hour at 70°F/20°C

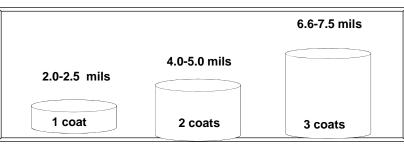
Siphon Feed (1.8-2.0mm) Gravity Feed (1.6-1.8mm)

Spray up to three single coats.

Flash for 10-20 minutes between coats. Flash for 20-30 minuets between coats for Urethane Foam.



Thickness:



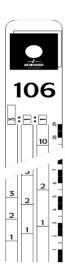


Dry to sand: 4 hours at 70°F/20°C 45 min at 100°F/38°C 30 minutes at 140°F/60°C



#### NOTE:

- Inadequate flash between coats may result in surface cracking.
- To reduce the risk of cracking, add 10-30 parts Autocryl Elast-O-Actif to the un reduced primer.
- Grip-Gard Sealer/Surfacer must be mixed with Grip-Gard HB Surfacer Hardener.



### GRIP-GARD BRITE WHITE HF PRIMER

## A ONE COMPONENT LOW VOC LIGHT ENHANCEMENT WHITE PRIMER FOR APPLICATION OVER METAL SUBSTRATES.



Contains acrylic latex resins and solvents.

RTS VOC content 1.7 lbs./gal.

## SUITABLE SURFACES:

- Aluminum
- Steel
- Autoprep Wipes
- Urethane Foam (HDU)
- Most Existing Finishes

#### PREPARATION:



Aluminum Steel P120-P180 Grit Dry P80-P120 Grit Dry



Ready to spray, no reduction required.

POTLIFE:

3 months after opening container.



Siphon Feed: 1.8 mm Pressure Feed: 1.2 mm Gravity Feed: 1.4-1.8 mm

### GRIP-GARD BRITE WHITE HF PRIMER

#### **APPLICATION:**



Aluminum - Spray two single coats. Steel – Spray 1 mist coat, allow to dull, follow with 2 single coats. (2 coats = 1 mil dry)



5 minutes between each coat.



Recoatable with Grip-Gard topcoats after <u>30</u> <u>minutes</u> at 70°F/20°C. Sandable after 1 hour at 70°F/20°C.



#### **NOTES:**

- Always pre-rinse spray gun with Autowave Gun Cleaner if solvent cleaners have been used.
- Use Autowave water base gun cleaner # 380002 to clean spray equipment. Final clean with solvent.
- Dry time will vary with temperature, relative humidity, and air movement.
- Protect from freezing.
- 1 mil DFT Dry-Film Thickness required.
- DO NOT apply over bulk polyester fillers

#### **VPS-1 BASE CLEAR-ADHESION PROMOTER**

VPS-1 IS A ONE-COMPONENT READY TO SPRAY <u>ADHESION PROMOTER</u> <u>AND SENSITIVE SUBSTRATE INSULATOR</u> FOR USE ON RIGID AND FLEXIBLE PLASTIC SUBSTRATES.



Contains acrylic resins, solvents and other ingredients.

RTS VOC content 6.6 lbs/gal

## SUITABLE SURFACES:

- Acrylic, impact modified acrylic, ABS, styrene, unstressed polycarbonate (flat stock only), dry Grip-Flex and most flexible membranes (Flex Face). Most High performance and Calendared Vinyl's.
- Brass, Bronze and Copper cleaned and oxidation removed



Remove surface plasticizers on flexible membrane with T-4000. Degrease and remove static electricity with a 1:1 mixture of T-4000 and water.

#### **POTLIFE:**

NONE



Siphon Feed 1.6-1.8mm Pressure Feed 1.0-1.2mm Gravity Feed 1.3-1.4mm



Spray two single coats as an insulator. Spray 1 single coat as an adhesion promoter



Flash for 5 minutes between coats.

### **VPS-1 BASE CLEAR-ADHESION PROMOTER**



Dry to topcoat with Grip-Gard topcoats and clears after 30 minutes.



#### **NOTES:**

- -VPS-1 IS Recoatable at any time.- 0.20 mils DFT-Dry Film Thickness required.

**VPS1 Primer Usage Chart** 

Yes/A = VPS1 for Adhesion Yes/I = VPS1 for Insulator X = VPS1 Not needed See description below	Extr	uded Accylic	Cap	ries	, Performant	e Vinyl	Cattonate	Cast Acrylic	SHIP
Grip-Gard BC with #10 BC Binder	Χ	Х	Х	Х	Х	Yes/I	Yes/A	Yes/I	Yes/I
Grip-Gard BC with #90 BC Satin Interior Binder	X	X	X	X	X	X	X	X	Х
Grip-Gard BC with #91 BC Flat Interior Binder	X	Х	X	Х	X	X	Х	X	Χ
Grip-Gard BC with #80 BC Single Stage Gloss Urethane Binder	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A
Grip-Gard BC with #83 BC Single Stage Satin Urethane Binder	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A
Grip-Gard BC with #85 BC Single Stage Satin Urethane Binder	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A
Grip-Gard BC with #50 BC Flex Transparent Binder	Х	Х	Х	Х	Х	Х	Х	Х	Х
Grip-Gard Plus Topcoats	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A	Yes/A

i		Clean the plastic with a mixture of Grip-Gard T4000 (Item #386623) and distilled water mixed 1 to 1. Mix and apply coating according to TDS				
!	concitivo plactico	Clean the plastic with a mixture of Grip-Gard T4000 (Item #386623) and distilled water mixed 1 to 1.  Apply 2 coats of Grip-Gard VPS-1 Primer (Item #386315). Allow 5 - 10 minutes between coats. Allow final coat 30 minutes to dry and apply topcoat.				
!	VPS1/A = VPS-1 As an <u>adnesion</u> primer	Clean the plastic with a mixture of Grip-Gard T4000 (Item #386623) and distilled water mixed 1 to 1.  Apply 2 coats of Grip-Gard VPS-1 Primer (Item #386315). Allow 5 - 10 minutes between coats. Allow final coat 30 minutes to dry and apply topcoat.				

## GRIP-GARD® BC SYSTEM

### GRIP-GARD BC REDUCERS

GRIP-GARD BC REDUCERS ARE USED IN GRIP-GARD BC BASECOAT AND CLEAR TOPCOAT. THEY CAN ALSO BE USED IN THE MAJORITY OF PRIMERS, SURFACERS AND SEALERS.



The flash time of the product can be adjusted for both temperature and job size.

#### **REDUCERS**

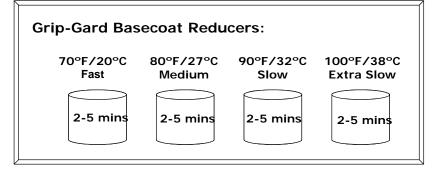
Fast 60°F-70°F / 16°C-24°C Medium 70°F-80°F / 20°C-30°C Slow 80°F-90°F / 27°C-35°C Extra Slow : 90°F + / 32°c +



The drying time does not change from one reducer to the other temperature range.



FLASH TIME:



## Basecoat/Clearcoat GRIP-GARD® BC Binder #10

A Basecoat Clear Coat system specifically designed to meet the Sign industry needs providing Solid, Metallic and Pearl colors.



Contains physical drying resins, solvents and other ingredients. When mixed, GRIP-GARD BC contains isocyanates.

RTS VOC 6.25 lbs./gal.



- Grip-Gard Sealer/Surfacer, Brite-White HF Primer
- Grip-Gard Washprimers
- -Grip-Gard HB Surfacer After Sanding
- Vinyl, Photopolymer, Flexible Membrane, PVC, Trim Cap and Extruded Acrylic plastics <u>without</u> adhesion promoters
- -Most existing finishes, except thermoplastic acrylics
- -VPS1 Primer for Cell Cast acrylics and poly carbonate

#### PREPARATION:



#### **Surfacers and Existing Finishes**

P320 – P400 Grit Dry P500 – P600 Grit Wet

MIX RATIO:



- 90 parts volume Grip-Gard BC color
- 10 parts volume GG BC Clear Hardener Slow
- 50 parts volume GG BC Reducer

POTLIFE:

4 hours



Siphon Feed: 1.6 - 1.8 mm Gravity Feed: 1.3 - 1.5 mm



## Basecoat/Clearcoat GRIP-GARD® BC Binder #10

#### SOLID COLOR APPLICATION:

#### Page 2



Apply 2 - 3 single coats or until covered.



2-5 minutes Flash Time between coats.

#### **TAPE TIME:**

30-40 minutes at 70°F/20°C.



Grip-Gard BC Basecoat Clear can be applied after 15-20 minutes at 70°F/20°C.



#### **NOTES:**

- •The maximum time Grip-Gard BC Basecoat mixed as recommended with GGBC Clear Hardener is 48 hours.
- If the Hardener is omitted, the maximum recoat time allowed without Hardener is 5 hours and adhesion
- •The use of Grip-Gard BC Slow hardener is recommended to improve recoatability.

## Basecoat/Clearcoat GRIP-GARD® BC Binder #10

#### Page 3

#### APPLICATION: FOR TWO STEP METALLIC COLORS



Spray 2-3 single coats or until covered



Flash for 2 to 5 minutes between coats.



Even out the metallic pattern by spraying an additional lighter orientation coat (drop coat).



- Spray at lower air pressure
- Increase gun distance
- Use full trigger



Flash / dry for 15-20 minutes and tack.



Apply Grip-Gard BC Clear.

## Basecoat/Clearcoat Three Step Pearl GRIP-GARD® BC Binder #10

A THREE-STEP PEARL SYSTEM CONSISTS OF THREE LAYERS:

STEP 1 - THE FOUNDATION COLOR (SOLID COLOR)

STEP 2 - THE PEARL EFFECT COLOR (VERY TRANSPARENT)

STEP 3 - THE CLEAR COAT (PROVIDES GLOSS & PROTECTION)

#### - First the foundation color ----



90 parts volume Foundation Color

10 parts volume GG BC Clear Hardener/Hardener Slow

50 parts volume GG BC Reducer



Siphon Feed Gravity Feed 1.6-1.8mm

1.3-1.5mm



Spray 2-3 single coats or until covered



Allow 2 - 5 minutes flash between coats



Flash / dry for 15 - 20 minutes and tack



Apply Basecoat Pearl Effect color

## Basecoat/Clearcoat Three Step Pearl GRIP-GARD® BC Binder #10

Page 2

APPLICATION: OF THE PEARL COAT



90 parts volume Pearl Effect Color 10 parts volume GG BC Clear <u>Hardener Slow</u> 50 parts volume GG BC Reducer



Spray 3-4 even thin coats Note: Do not overlap in the same area.



Allow 2 - 5 minutes flash between coats



Flash / dry for 15 - 20 minutes and tack



Apply Grip-Gard BC Clear.

### **Technical Tips:**



#### **Metallic Orientation:**

When spraying darker metallic/pearl colors, there is no need to spray "drop coats" (orientation coats), apply like a solid color, last coat not too wet. Lighter or high metallic colors require an orientation coat. Reduce air pressure to 8 psi at tip (HVLP) or approximately 35 psi for high pressure guns.

#### **Color Control:**

Because of the high hiding power of Grip-Gard BC Basecoat, establish color control and metallic orientation during your first and second coat to avoid additional coats and material waste.



The flash off time between coats may be accelerated by blowing air over the repair area. Hold the spray gun 2-3 feet from the panel at a 45° angle while blowing air over the surface. After about a minute the repair should be sufficiently flashed. Tack off panel and apply next coat.

### GRIP-GARD® BC Clears

GRIP-GARD BC CLEARS ARE FOR APPLICATION OVER GRIP-GARD BC BASECOAT AND PROVIDES HIGH GLOSS UNDER A WIDE RANGE OF APPLICATION CONDITIONS.

RTS VOC 4.85 lbs./gal.



Contains acrylic resins and other ingredients. When mixed, contains isocyanates. Wear protective clothing and utilize full fresh air hood.

### SUITABLE SURFACES:

- Grip-Gard BC Basecoat
- Many Existing Finishes

#### PREPARATION:



Existing Finishes: 3M #P500 Dry or 3M #P800 Wet

Grip-Gard BC Basecoat: Allow flash time (15-20 mins.)



3 Parts GGBC Clear, Satin Clear or Low Gloss Clear 1 Part Grip-Gard BC Clear Hardener/ Hardener Slow

1 Part Grip-Gard BC Reducer

#### **POTLIFE:**

3-4 Hours @ 70°/20°C



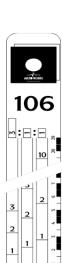
Siphon Feed 1.6-1.8mm Gravity Feed 1.3-1.5mm



Apply one single flowing coat



Flash 2-3 minutes.



## **GRIP-GARD® BC Clears**

#### **APPLICATION CONTINUED:**

Page 2



Apply second single flowing coat.



70°F/20°C

Drying Time:

2-3 hours

With GGBC Clear Accelerator:

1-2 hours

#### NOTE:

1 OZ Grip-Gard BC Basecoat Clear Accelerator may be added to one quart of RTS – Ready-to Spray Clear.

### **GRIP-GARD® BC Clear Blends**

GRIP-GARD BC CLEAR AND LOW GLOSS CLEAR CAN BE BLENDED TO ACHIEVE SEMI-GLOSS, SATIN GLOSS AND LOW GLOSS CLEARS.

#### RECOMMENDED BLEND RATIO OF CLEARS BY VOLUME:

Gloss Level at 60° Angle	GGBC Clear Volume Parts	GGBC Low Gloss Clear Volume Parts
High Gloss (85° +)	100	0
Semi-Gloss (50-84°)	40	60
Satin Gloss (20-49°)	25	75
Low Gloss (10-19°)	10	90
Flat Gloss (< 10°)	0	100

#### NOTE:

After mixing the desired Gloss level blend, mix 3:1:1 with Grip-Gard BC Clear Hardener and Reducer. Apply as outlined in the Grip-Gard BC Clear or Low Gloss Clear class note.

## GRIP-GARD® BC Clear Accelerator

AN ACCELERATOR USED TO SPEED UP THE CURE TIME OF GRIP-GARD BC BASECOAT CLEARS.



Contains solvents and catalysts. When mixed, GRIP-GARD BC Clears contains isocyanates.



Add ½ - 1 fluid ounce of GRIP-GARD BC Basecoat Clear Accelerator to 1 quart of RTS – Ready- to-Spray GRIP-GARD BC Clear.

#### **POTLIFE:**

3 – 4 hours at 70°F/20°C.



Dust Free: 15 – 25 minutes at 70°F/20°C

Dry to handle: 1 – 2 hours at 70°F/20°C

NOTE: Do not use Grip-Gard BC Basecoat Accelerator in conjunction with other Accelerators or Accelerator Reducers.

## Acrylic Urethane Topcoats GRIP-GARD® BC Binders 80, 83 and 85

Acrylic urethane binders specifically designed to provide simple access to urethane topcoat performance from the same high strength toners used in our GRIP-GARD BC system with no clearcoat required.



Contains physical drying resins, solvents and other ingredients. When mixed, GRIP-GARD BC Single Stage contains isocyanates.

RTS VOC 4.94 lbs./gal.

## SUITABLE SURFACES:

- Grip-Gard Sealer/SUrfacer, Brite-White HF Primer, Epoxy Sealer Gray or White,
- Grip-Gard Washprimers Non Sanding
- Grip-Gard HB Surfacer After Sanding
- Most existing finishes, except thermoplastic acrylics
- VPS1 Primer for Plastic substrates

#### PREPARATION:



#### Surfacers and Existing Finishes sanding recommendations

P320 - P400 Grit Dry

P500 - P600 Grit Wet

#### MIXING COLOR:



Choose the color required in Mixit.

When mixing the chosen Grip-Gard BC color, replace the entire volume of GGBC 10 Binder with Grip-Gard BC 80 or 85 Single Stage Converter.



**NOTE:** When using Grip-Gard BC 80, 83 or 85 Single Stage Converter in metallic or pearl colors, the color match may be slightly varied depending on the color chosen due to a change in metallic orientation. Please test color matches on small panels before final application.

## Acrylic Urethane Topcoats GRIP-GARD® BC Binders 80, 83 and 85

#### **MIXING RATIO**



100 parts volume GRIP-GARD BC/Single Stage Color50 parts volume GG BC Clear Hardener/ Hardener Slow10 to 30 parts volume GG BC Reducer



1 1/2 hours



Siphon Feed: 1.4 - 1.7 mm Gravity Feed: 1.3 - 1.5 mm

#### **APPLICATION SOLID COLOR:**



Apply 2 - 3 single coats or until covered.

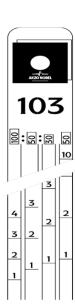


3-5 minutes Flash Time between coats.



#### Dry to Exposure at 70° F:

- 9 Hours Without Accelerator
- 3 Hours With Accelerator
- 30 Minutes at 140 ° F



## Acrylic Urethane Topcoats GRIP-GARD® BC Binders 80, 83 and 85

#### **APPLICATION METALLIC COLOR:**



Apply 2 single coats or until covered.



3-5 minutes Flash Time between coats.



30 seconds to one minute flash after final coat



Apply a light metallic orientation coat to even out metallic



#### Dry to Exposure at 70° F:

- 9 Hours Without Accelerator
- 3 Hours With Accelerator
- 30 Minutes at 140 ° F

## Acrylic Interior Topcoats GRIP-GARD® BC Binders 90 and 91

An acrylic binder specifically designed to provide interior signage topcoat performance from the same high strength toners used in our GRIP-GARD BC System.



Contains physical drying resins, solvents and other ingredients. When mixed, GRIP-GARD BC Interior Sign paint contains isocyanates.

## SUITABLE SURFACES:

- Grip-Gard Sealer, Brite-White HF Primer, Epoxy Sealer Gray
- Grip-Gard Washprimer White Non Sanding
- Grip-Gard HB Surfacer After Sanding
- -Vinyl, Photopolymer, Flexible Membrane, PVC, Trim Cap
- -Extruded and cell cast Acrylic plastics <u>without</u> adhesion promoters
- Most existing finishes, except thermoplastic acrylics
- VPS1 Primer for poly carbonate

#### PREPARATION:



#### **Surfacers and Existing Finishes**

P320 – P400 Grit Dry P500 – P600 Grit Wet

#### MIXING COLOR:



Choose the color required in Mixit.

When mixing the chosen Grip-Gard BC color, divide the volume of 10 binder in half. Example; 110 grams 10 = 55 grams 90



**NOTE:** As with all paints, when adjusting the gloss level there can be variations in final gloss level depending on the color chosen. When a specific gloss level is required, sprayouts of the color with balanced levels of 90 and 91 binders is recommended prior to the final application.

## Acrylic Interior Topcoats GRIP-GARD® BC Binders 90 and 91



90 parts volume GRIP-GARD BC Interior Sign Color 10 parts volume GGBC Clear <u>Hardener Slow</u> 50 parts volume GG BC Reducer

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#### RATIOS FOR HAND MIXING COLORS

**SATIN GLOSS:** 



100 parts volume GRIP-GARD BC toner 50 parts volume GRIP-GARD BC 90 Satin Binder Then make ready to spray @ 90:10:50

#### **LOW GLOSS:**



100 parts volume GRIP-GARD BC toner 50 parts volume GRIP-GARD 50/50 BC 90/91 Then make ready to spray @ 90:10:50

#### **MATT GLOSS:**



100 parts volume GRIP-GARD BC toner 50 parts volume GRIP-GARD <u>BC 91 Matt Binder</u> Then make ready to spray @ 90:10:50

#### **POTLIFE:**

4 - 6 hours



Siphon Feed: 1.4 - 1.7 mm Gravity Feed: 1.3 - 1.5 mm

## Acrylic Interior Topcoats GRIP-GARD® BC Binders 90 and 91

#### APPLICATION SOLID COLOR:



Apply 2 - 3 single coats or until covered.



2-5 minutes Flash between coats or until dull.



Dry to Exposure at 70° F: 30 to 45 minutes

#### APPLICATION METALLIC COLOR:



Apply 2 single coats or until covered.



2-5 minutes Flash between coats or until dull



No flash prior to metallic orientation



Apply a light metallic orientation coat to even out metallic if needed



Dry to Exposure at 70° F: 30 to 45 minutes

### GRIP-GARD® BC Binder Options

