



GRIP-GARD® BC BASECOAT SOLID, METALLIC AND PEARL COLORS

DESCRIPTION:

Grip-Gard BC Basecoat is designed specifically to meet the color, application and quality demands of the Sign and Exhibit Manufacturer. With extremely fast tape times and a tremendous range of solid, metallic and pearl colors, Grip-Gard BC Basecoat is ideal for fast production, particularly on multi-color signs. Grip-Gard BC Basecoat must be used in conjunction with Grip-Gard BC Clearcoat in order to provide protection from the environment.

PRODUCTS & ADDITIVES:

PRODUCTS:

—Grip-Gard BC Basecoat Toners

REDUCERS:

— Grip-Gard BC Fast Reducer:	Item #391264
Temperature range: 60°F–75°F (16°C–24°C).	
— Grip-Gard BC Medium Reducer:	Item #391265
Temperature range: 70°F–85°F (20°C–30°C).	
— Grip-Gard BC Slow Reducer:	Item #391266
Temperature range: 80°F–95°F (27°C–35°C).	
— Grip-Gard BC Extra Slow Reducer:	Item #391267
Temperature range: above 95°F (35°C).	

ADDITIVES:

— Grip-Gard BC Clear Hardener: Item #391268

Used in Grip-Gard BC Basecoat colors to extend the time range for application of Grip-Gard BC Clearcoat. Also improves adhesion and spray characteristics. See further information in this TDS under “Drying Times”.

CLEARCOATS:

— Grip-Gard BC Clear:	Item #391270
— Grip-Gard BC Low Gloss Clear	Item #391271










Clear coats for application over Grip-Gard BC Basecoat. Please refer to the Grip-Gard BC Clearcoats technical data sheet. Grip-Gard Plus Clears (High and Low Gloss) can also be used.

BASIC RAW MATERIALS:

Grip-Gard BC Basecoat: physical drying binders.
Grip-Gard BC Reducers: special solvent blends.
Grip-Gard BC Clear Hardener: polyisocyanate resin.
Grip-Gard BC Clearcoats: acrylic resin.

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APPLICATION:

- | | | | | | |
|----|---|---|----|--|--|
| 1. |  | Contains acrylic resins and other ingredients. When mixed with hardener also contains isocyanates. | 5. |  | 3–5 minutes at 70°F (20°C)
Flash time between coats. |
| 2. |  | Mix Ratio:
90:10 :50 by volume
Grip-Gard BC Basecoat
Grip-Gard BC Clear Hardener
Grip-Gard BC Reducer | 6. |  | Grip-Gard BC Metallics and Pearls only – 1 additional coat at an increased distance as a metallic orientation coat if necessary. |
| | | Note: When making “Own Colors”, it is essential to include Grip-Gard BC 10 Binder to the paint before mixing with hardener and reducer. See “Own Color Information” on page 4. | 7. |  | 15–20 minutes at 70°F (20°C) |
| 3. |  | Use the Measuring Stick #111 | 8. |  | Apply 1 double coat of Clear
(See Clear coat TDS) |
| 4. |  | Apply 3 coats or until covered
Gravity: 1.3 – 1.5 mm
Siphon: 1.6 – 1.8 mm | 9. |  | 2-3 hours at 70°F (20°C)
1-2 hours at 70°F (20°C) with
GGBC Accelerator |

SUITABLE SURFACES:

- Grip-Gard BC Basecoat can be applied directly over:
- Grip-Gard Sealer
 - Grip-Gard Brite-White HF Primer
 - Grip-Gard Epoxy Primer
 - Grip-Gard HB Surfacer
 - Grip-Gard Washprimer (not recommended without a Surfacer or Sealer)
 - Most existing finishes; degreased and sanded with #P500 to #P600 grit paper dry or #P600 to #P800 grit wet but not over thermoplastic acrylic lacquers. In that case, the entire surface must be sealed with a Surfacer or Sealer.

SURFACE PREPARATION:

- All products that are to be sanded: you may have to initial sand, but final sanding with #P500 to #P600 grit paper dry or #P600 to #P800 grit wet is recommended.
- Wet-on-wet products: please follow recommendation for product in use by consulting the relevant Technical Data Sheet.



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LIGHT COLORS: Grip-Gard BC Basecoat is not recommended directly over Grip-Gard Washprimer without using Grip-Gard HB Surfacer or Grip-Gard Sealer. In particular, staining, discoloration and loss of basecoat integrity can occur in light colors including metallic and pearl colors.

SPRAYING VISCOSITY: The proper spraying viscosity is achieved by using the recommended mixing ratio. Grip-Gard BC Basecoat Solid, Metallic and Pearl colors: 20 - 24 sec. EZ Zahn Cup #2 at 70°F (20°C).

POT LIFE: Grip-Gard BC Basecoat solid and metallic colors with hardener: 4 – 6 hours.
Grip-Gard BC Basecoat pearl colors (three stage) with hardener: 4 hours.

SPRAY GUN & PRESSURE:

	Fluid Tip	Spraying Pressure
Siphon Feed	1.6 – 1.8 mm	40 – 50 psi
Gravity Feed	1.3 – 1.5 mm	28 – 40 psi

APPLICATION:

SOLID COLORS: Spray 3 single coats; allow approximately 3–5 minutes flash-off between each coat.

METALLIC COLORS: Spray 3 single coats, at approximately 6 inches from the panel allowing 3–5 minutes flash off between each coat. Even out the metallic pattern with a metallic orientation coat after the final coat has flashed off completely. This is achieved by extending the distance between the gun and panel, and applying a lighter coat. Do not make this coat too wet. With HVLP equipment, it is not necessary to lower the pressure, although this may be done in order to control the color.

THREE STAGE

PEARL COLORS: **Grip-Gard BC Basecoat Foundation Color:** Spray 2 single coats, allowing approximately 5-7 minutes flash-off between each coat. Allow the foundation coat to dry for 15–20 minutes.

Grip-Gard BC Basecoat Pearl mid Coat: Spray three to four thin coats, allowing 3–5 minutes flash-off between coats at 70°F (20°C). Do not lower the air pressure for pearl coats.



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TWO-TONE APPLICATION:

Grip-Gard BC Basecoat Solid, Metallic and Pearl colors can be taped off with fine line masking tape after 30 – 40 minutes flash-off at 70°F (20°C) and a second color of Grip-Gard BC Basecoat can then be applied.

OWN COLOR INFORMATION:

Own formulated colors: When developing your own color, it is essential that you add Grip-Gard BC Basecoat 10 Binder into the paint mixture. To do this, mix 1 part mixed color by weight to 1 part Binder 10 by weight (equal amounts by weight of mixed color and # 10 Binder), **or** use Measuring Stick #104 to mix 1 part mixed color by volume to 1 part Binder 10 by volume. Stir thoroughly. Then reduce as normal as described in the mix ratio section of page 2. Failure to include the binder into the paint mixture will cause poor product performance.

DRYING TIME:

Allow Grip-Gard BC Basecoat (mixed with 10% hardener) to dry for 15 to 20 minutes at 70°F (20°C) before applying the clearcoat. The maximum time Grip-Gard BC Basecoat may be left before Grip-Gard BC Clear is applied is 2 days.

Note: It is always recommended that Grip-Gard BC Clear Hardener is added to Grip-Gard BC Basecoat. However, if the hardener is omitted, the maximum time allowed to apply Grip-Gard BC Clear is 5 hours.

FILM

THICKNESS:

Grip-Gard BC Basecoat, Solid, Metallic and Pearl: 0.3–0.4 mils per single coat.

COVER RATE:

Approximate square foot coverage per gallon at 1 dry mil:

Transfer Efficiency	Unmixed Paint	Ready to Spray
100% (Theoretical)	480	320
65% (HVLP)	310	210
35% (Conventional)	170	110

CLEANING

OF EQUIPMENT:

Clean equipment with Cleaning Solvent 790 or lacquer thinner.



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STOCK KEEPING:

AVAILABILITY:

Grip-Gard BC Basecoat Solid, Metallic and Pearls are available supplied as ready-mixed colors or can be mixed by means of the Akzo Nobel Mixing System.

SHELF LIFE:

Grip-Gard BC Basecoat Toners: Four years if stored unmixed at room temperature.
Grip-Gard BC Clear Hardener: One year if stored unopened at room temperature.
Grip-Gard BC Reducers: Four years if stored unopened at room temperature.

SAFETY ASPECTS:

READY TO

SPRAY VOC:

Grip-Gard BC Basecoat (RTS):

6.25 lb/gal. 750 g/liter

NOTICE:

Do not handle until the Material Safety Data Sheets have been read and understood. Regulations require that all employees be trained on Material Safety Data Sheets for all chemicals with which they come in contact. The manufacturer recommends the use of an air-supplied respirator when exposed to vapors or spray mist.

DISCLAIMER:

The technical information and suggestions for use made herein are based on Akzo Nobel Coatings Inc. research and experience and are believed to be reliable but such information and suggestions do not constitute a warranty.

Since Akzo Nobel Coatings Inc. has no control over the conditions under which the product is transported, stored, handled, used or applied, buyers must determine for themselves, by preliminary tests or otherwise, the suitability of the products for their purpose.

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