Description

The GRIP-GARD PLUS Brushing/Rolling Additive is designed to convert GRIP-GARD® PLUS spray paint into a coating that can be used for brush & roll application.

<table>
<thead>
<tr>
<th>100</th>
<th>Grip Gard Plus (High Gloss)</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>Grip-Gard Plus Hardener</td>
</tr>
<tr>
<td>25</td>
<td>Grip-Gard Plus Brushing and rolling additive</td>
</tr>
</tbody>
</table>

Use the Measuring Stick #101 (Black)

Semi / Satin/ Low Gloss Finishes

Refer to mixing information later in this TDS with B02 Matte Reducer by weight

Apply as needed to obtain opacity. Use appropriate solvent resistant brush.

Apply as needed to obtain opacity. Use appropriate solvent resistant roller.

GRIP-GARD PLUS

20 hours at 70°F (20°C)
2.5 hours at 100°F (38°C)

Do not apply at temperatures below 50 ° F

Use suitable respiratory protection

Akzo Nobel Sign Refinishes recommends the use of a fresh air supply respirator
Description

The GRIP-GARD PLUS Brushing/Rolling Additive is designed to convert GRIP-GARD® PLUS spray paint into a coating that can be used for brush & roll application.

Suitable substrates

— All Grip-Gard primers and surfacers.
— Most existing finishes, degreased and sanded with #P320 to #P400 grit paper dry or #P500 to #P600 wet.
— Fiberglass, (unbroken gel coat) degreased and sanded with #P320 to #P360 grit dry or #P500 to #P600 wet.

Products and additives

MAIN PRODUCTS:
Grip Gard Plus Topcoat N/A
HARDENER:
Grip-Gard Plus Hardener Item # 398073
REDUCERS:
Grip-Gard Plus Brush and Roll Additive Item # 390909
Grip-Gard Plus Extra Slow Retarder: Extra slow reducer for high temperatures Item # 391219

Basic raw materials

Grip-Gard Plus: Acrylic resins, solvents
Grip-Gard Plus Hardener: Polyisocyanate resins
Grip-Gard Plus Reducers: Solvents

Mixing:

HIGH GLOSS RATIO
100 parts by volume Grip-Gard Plus Intermix color, Stock White, Black and Bronzes
50 parts Grip-Gard Plus Hardener
25 parts Grip-Gard Plus Brushing and Rolling Additive
Use Mixing Stick #101 (Black)

GRIP-GARD PLUS Metallic Colors: are not recommended for Brush and Roll Application

LOWER GLOSS LEVEL MIXING: To use Brush and roll Additive with varied gloss levels, the paint must be pre-flattened prior to the addition of hardener and reducer. Any gloss level can be achieved by using the appropriate blend of Grip-Gard Plus and Grip-Gard Plus B02 Matte Reducer.

<table>
<thead>
<tr>
<th>Volume required</th>
<th>Volume to select in Mixit</th>
<th>B02 Volume to add</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Pint</td>
<td>select .27 liter</td>
<td>198.0 grams B02</td>
</tr>
<tr>
<td>1 Quart</td>
<td>select .54 liter</td>
<td>397.0 grams B02</td>
</tr>
<tr>
<td>2 Quart</td>
<td>select 1.09 liter</td>
<td>794.0 grams B02</td>
</tr>
<tr>
<td>1 Gallon</td>
<td>select 2.19 liter</td>
<td>1589.0 grams B02</td>
</tr>
</tbody>
</table>

SEMI GLOSS:

<table>
<thead>
<tr>
<th>Volume required</th>
<th>Volume to select in Mixit</th>
<th>B02 Volume to add</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Pint</td>
<td>select .25 liter</td>
<td>219.0 grams B02</td>
</tr>
<tr>
<td>1 Quart</td>
<td>select .50 liter</td>
<td>439.0 grams B02</td>
</tr>
<tr>
<td>2 Quart</td>
<td>select 1.0 liter</td>
<td>878.0 grams B02</td>
</tr>
<tr>
<td>1 Gallon</td>
<td>select 2.0 liter</td>
<td>1757.0 grams B02</td>
</tr>
</tbody>
</table>

SATIN GLOSS:

<table>
<thead>
<tr>
<th>Volume required</th>
<th>Volume to select in Mixit</th>
<th>B02 Volume to add</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Pint</td>
<td>select .22 liter</td>
<td>242.0 grams B02</td>
</tr>
<tr>
<td>1 Quart</td>
<td>select .45 liter</td>
<td>485.0 grams B02</td>
</tr>
<tr>
<td>2 Quart</td>
<td>select .90 liter</td>
<td>971.0 grams B02</td>
</tr>
<tr>
<td>1 Gallon</td>
<td>select 1.81 liter</td>
<td>1943.0 grams B02</td>
</tr>
</tbody>
</table>

FLAT GLOSS:
Stir after mixing
Grip-Gard Plus and B02 must be stirred thoroughly directly after mixing the components

FURTHER MIXING:
The pre-flattened color must then be made ready for use by adding hardener and Brushing & Rolling Additive.

4 parts by volume Grip-Gard Plus Intermix color, Stock White, Black and Bronzes
1 part Grip-Gard Plus Hardener
1 part Grip-Gard Plus Brushing and Rolling Additive
Use Mixing Stick #109 (Light Blue)

MIXING NOTE:
When brushing or rolling on surfaces in hot weather, leveling of GRIP-GARD PLUS can be improved by the addition of 10 – 15% Extra Slow Retarder.

For additional viscosity reduction while maintaining the required VOC, Grip-Gard Plus Exempt Reducer may be added. In VOC restricted areas, it is required that compliant products be used.

Viscosity

The proper viscosity achieved using the recommended mixing ratio.
Grip-Gard Plus 17 - 24 sec. DIN Cup #4 at 70°F (20°C).

Pot-life

| Mixture with Grip-Gard Plus Hardener & Reducers: | 1.5 - 2 hours at 70°F (20°C) |
| Mixture with Grip-Gard Plus Hardener & B02 Matte Reducer: | 1.5 - 2 hours at 70°F (20°C) |
| Mixture with Accelerator Reducer or SuperTop Plus: | 1.5 hours at 70°F (20°C) |

Preparation process

Existing or Old finishes:
- Wash with lanolin free detergent and rinse well with clean water.
- Degrease with M600 Wax & Grease Remover to prevent sanding any contaminants into finish.
- Sand with # P320 - # P400 grit paper dry or # P500 - # 600 grit paper wet.
- Blow off residue with air hose if available.
- Re-apply M600 wax and grease remover. Wipe dry with a clean cloth.

FERROUS METALS AND NON FERROUS METALS:
All bare metals should be primed with a suitable corrosion resistant primer. Following preparation procedures above to remove any rust or contamination before priming. Recommend Akzo Nobel Sign Finishes Autoprep™ Etching Pen CF Item # 398576, Washprimer 1K CF Aerosol item # 390992 or Autoprep Pre-treatment wipes item #1014570 for 1K Touch Up field application.

Note: Some old alkyd based finishes may lift or wrinkle due to the strong solvent used in GRIP-GARD PLUS. Test a small area before starting a project. If the old finish is not secure and wrinkles, remove it and start from base metal.
Application process

- Apply 1 wet coat using a solvent resistant brush or roller followed by a second coat after 10-15 minutes flash time. A third coat may be necessary for bright colors where full hiding is not achieved.
- To make this product usable in the broadest range of application temperatures, slow evaporating solvents have been used. It is not recommended to apply GRIP-GARD PLUS if the ambient temperature is below 50°F. Application below 50°F may cause excessive dry times and paint failure.
- GRIP-GARD PLUS colors have excellent hiding and should cover with minimal coats. Bright colors may require more coats to achieve sufficient hiding power for brushing and rolling application.

Film thickness

By recommended application;
Grip-Gard Plus 1.0 – 1.2 mils per single coat.

Recoatability

Grip-Gard Plus can be recoated with itself up to 48 hours without sanding. After 48 hours, sanding will be necessary.

NOTE:
Striping or lettering on Grip-Gard Plus must be applied within 24 hours to obtain good adhesion. After 24 hours, scuff with a gray scuffing pad.

Curing time

Curing at 70°F:
Dust Free: 50 Minutes
Dry to Exposure: 20 Hours

Curing at 100°F:
Dust Free: 30 Minutes
Dry to Exposure: 2.5 Hours

Material usage

NOTE: 2.0 – 2.5 mils dry film thickness is recommended for warranty purposes.

Cleaning of equipment

Clean equipment with Cleaning Solvent LV Item# 391000

Product storage

Store products unopened, and used products with closed lids preferably between 70°F-95°F (10°C-35°C).
Avoid too much temperature fluctuation, optimal storage temperature approximately 70°F (20°C).

SHELF LIFE:
Grip-Gard Plus: Two years if stored unopened at room temperature.
Grip-Gard Plus Hardener: One year if stored unopened at room temperature.
Grip-Gard Plus Brush and Roll Additive: Two years if stored unopened at room temperature.
FOR PROFESSIONAL USE ONLY

IMPORTANT NOTE: The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advices given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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