

GRIP-FLEX® INTERMIX

DESCRIPTION:

GRIP-FLEX Intermix Sign Paint is a color matching system designed for the backlit sign industry. This 16-toner lead free mixing system gives you access to thousands of formulas including popular industry colors like Pantone™, 3M and many national program colors. The Grip-Flex Intermix system also offers an assortment of pre-mixed stock colors making this mixing system the most versatile in the sign industry today.

PRODUCT:

MAIN PRODUCT:

GRIP-FLEX Intermix Sign Paint

REDUCERS:




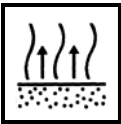
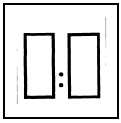


Use only T-2003, T-2004, or T-2005 when spraying plastic. DO NOT USE aromatic solvents, such as xylene, toluene, T-2001, T-2002 or lacquer thinner. GRIP-FLEX Intermix is not compatible with aromatic reducing solvents or lacquer thinner.

- T-2004: A fast reducer suitable for small surface areas and cold climates; use only when temperature is below 70°F (20°C).
- T-2003: A medium temperature reducer suitable for any job size. Temperature range 70°F - 85°F (20°C - 29°C).
- T-2005: A high temperature slow reducer for any job size and especially large surface areas. Temperature range above 85°F (29°C).

BASIC RAW MATERIALS:

GRIP-FLEX Intermix: Acrylic resins, solvents and other ingredients.

APPLICATION:

- | | | | | | |
|----|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 1. |  | Contains acrylic resins, solvent and other special ingredients. | 5. |  | Spray 4 – 12 light coats depending on the color and translucency desired. |
| 2. |  | Remove any existing surface contaminants and static electricity. | 6. |  | Flash 3 – 5 minutes between each coat. |
| 3. |  | 100 parts Grip-Flex Intermix color
200 parts reducer | 7. |  | Dry to recoat:
At 70°F (20°C) 10 minutes
Dry for installation:
At 70°F (20°C) 24 hours |
| 4. |  | Siphon feed: .063" - .070" (1.6 – 1.8 mm)
Pressure feed: .043 (1.1 mm)
Gravity feed: .055 (1.4 mm)
HVLP: .031 – 0.59 (0.8 – 1.5 mm) | | | |



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SUITABLE

SURFACES:

- Acrylic, impact modified acrylic, ABS, CAB, polycarbonate, styrene, and most rigid and flexible vinyl.
- Existing GRIP-FLEX finishes.

NOTE: Some polycarbonates are supplied with a Solar Grade Treatment on one side. Do not apply Grip-Flex or Solar Clear onto the solar treated side of this type of polycarbonate.

WEATHERING PROPERTIES:

Grip-Flex sign paint is made from the highest quality raw materials available in the coatings industry today. We use only the finest resins, additives and solvents, as well as top quality, light fast, automotive grade pigments with each toner. These pigments display excellent chemical, fade and weathering resistance when used in the proper vehicle and or application.

Grip-Flex is designed as a soft, flexible coating, and must be able to withstand severe flexing as is commonly experienced when applied to vinyl and in the process of thermoforming after its application on plastic. It is not recommended for direct exposure to the elements without the protection of a UV clear-coat or in the case of back-lighted signs, a quality solar grade plastic. Failure to use a topcoat when not used in second surface type application on clear plastic, will result in the degradation of the paint film. Because of its flexible nature, its molecular bond is not such that it can withstand the outside elements without showing the severe effects of weathering or exposure.

Please refer to the manufacturers UV ratings of the plastic when using in normal second surface backlit situations or the clear-coat when using first surface.

APPLICATION TECHNIQUES FOR BACKLIT SIGNS:

When spray-painting a backlit sign, it is essential that some type of back lighting be utilized. This will allow the spray painter to apply the paint evenly, obtaining the desired reflected and transmitted color.

When painting translucent colors on plastic, you will be required to build up the paint film slowly. Use many light coats. If one or two heavy coats are used, undesirable light and dark spots, known as mottling, will appear. Usually 4 – 12 fine coats are required. Allow 3 – 5 minutes flash between coats. Note, the 4 – 12 coat rule is a guideline. The spray pattern, equipment, viscosity, temperature, and operator experience will play an important role in achieving the desired result.

When spraying darker color formulations, it may be necessary to use one of the Grip-Flex Clear additives, 200 (390400) or 201 Matte (386302) to help minimize mottling (See TDS for Grip-Flex 200 & 201 Clear additives). When used in conjunction with Grip-Flex Intermix colors, 200 & 201 clear makes it possible for you to apply more coats, thereby, minimizing the mottling effect. Grip-Flex 201 Matte clear has shown to work best in darker, more transparent colors like greens and blues, while 200 works well in darker more opaque colors such as dark grays.

This technique can be used with any color to obtain a more even film build.



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APPLICATION TO FLEXIBLE VINYL:

Grip-Flex Intermix can be applied directly to most rigid and flexible vinyl substrates, but requires a protective topcoat for exterior exposure to the elements. Refer to VPS Technical Data Sheet

FIRST SURFACE EXTERIOR USE ON PLASTIC:

When Grip-Flex is applied to the first surface side of plastic (front) and is left exposed to the outdoor elements, it is recommended to apply Grip-Flex Solar clear or VPS 1 and 2 to protect against fading and chalking. (See TDS for Grip-Flex Solar Clear and Grip-Gard VPS). NOTE: Some polycarbonates are supplied with a Solar Grade Treatment on one side. Do not apply Grip-Flex or Solar Clear onto the solar treated side of this type of polycarbonate.

STOCK KEEPING:

COLOR: 16 MIXING TONERS WITH 13 STOCK COLOR OPTIONS`

CONTAINER SIZE:

1 gallon (3.785 liters) and 1 liter

SHELF LIFE:

GRIP-FLEX INTERMIX COLORS: Minimum two years if stored at room temperature
GRIP-FLEX REDUCERS: Minimum four years if stored at room temperature

SAFETY ASPECTS:

NOTICE:

Do not handle until 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 does 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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