

QuickClean™ HS CLEAR

Modified Acrylic Polyester Polyurethane Coating



Technical Data

PRODUCT DESCRIPTION

QuickClean™ HS CLEAR is a low VOC specially modified polyurethane coating formulated for use in applications requiring anti-graffiti, non-stick and high surface slip characteristics.

QuickClean™ HS CLEAR can be used to ease removal of graffiti on buildings, allow simplicity of cleaning equipment such as cement trucks, or provide a high slip (low coefficient of friction) surface for dry bulk material container surfaces.

FEATURES

- Very low surface energy (non-stick)
- Low VOC
- SKYDROL resistance
- Abrasion resistant
- Excellent color and gloss retention
- Resistant to chemical splash/spillage
- Lead and Chromate free
- Fast dry

PRODUCT DATA

Description	Results
Vehicle Type	Specially Modified Acrylic Polyester Polyurethane
Colors	Clear
Gloss	High Gloss
VOC (mixed).....	414 g/L (3.45 lbs/gal)
Weight/Gallon.....	8.26 pounds
Solids by Weight (mixed).....	59.4%
Solids by Volume (mixed).....	53.3% (Theoretical)
Viscosity	30-40 Zahn 2
Flash Point (white).....	83°F
Dry Heat Resistance	250°F
Freight Classification	Flammable
Packaging.....	1 Gallon & 5 Gallons

APPLICATION DATA

Description	Results
Application.....	Spray and Roller
Mix Ratio	3:1 by Volume
Catalyst	99975
Recommended Thickness.....	1.5 - 2.0 mils DFT
Dry Time @ 77°F, 50% RH	
Touch.....	2 hours
Handle	5 hours
Recoat	2 hours
Pot Life @75°F, 50% RH	4 hours
Coverage.....	570 sf/gal at 1.5 mils DFT
Thinner	
Air Atomized Spray	21092 up to 5%
.....	21093 up to 3%
Airless Spray	21092 up to 5%
.....	21093 up to 3%
Clean Up	21092

The technical specifications for this data sheet are based on product 45029 Clear.

EQUIPMENT RECOMMENDATIONS

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

ROLLER: Use a 1/4" nap solvent resistant core.

SPRAY APPLICATION (General): The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.

AIR ATOMIZED SPRAY:

	Model	Air Cap	Fluid Tip	Fluid Delivery	Atomizing Pressure
Pressure	Binks #18	63 pb	66	20 oz/min	45 - 60 psi
Pressure	DeVilbiss MBC-510	704	fx	20 oz/min	45 - 60 psi

AIRLESS SPRAY:

Model	Pump Ratio	Fluid Tip	Fluid Pressure	Filter Mesh
Graco Bulldog	30:1	.013 - .019	1800 - 2200	100
Binks B 8D	35:1	.013 - .019	1800 - 2200	100

AIR ASSISTED AIRLESS SPRAY:

Model	Pump Ratio	Fluid Tip	Fluid Pressure	Atomizing Pressure
Kremlin MVX A. A. Gun	10:1	.013 - .016	400 - 800 psi	10 - 15 psi

GENERAL SURFACE PREPARATION

All surfaces must be sound, dry, clean and free of oil, dirt, grease, wax, mildew, loose or flaking paint and other surface contaminants. Remove old paint, coatings, mill scale and rust by sandblasting. If sandblasting is not practical, clean surfaces with power tools, hand scraping and wire brushing. For automotive type appearance, sand all surfaces with 280 wet or dry sandpaper. Best results obtained by water sanding.

Due to the anti-graffiti properties of this coating, extreme care must be taken to prepare the film for repainting. The film must be completely de-glossed by means of sanding or other abrasive technique. Any spots not completely de-glossed will result in adhesion failures. Removal of surface contaminants (dust, dirt, coating residue, abrasive, oil, grease, etc.) needs to take place prior to application.

DIRECTIONS FOR USE

TINTING: Do not tint.

THINNING: This product has been formulated to be applied without the need of additional thinning. However, application with certain equipment and under various conditions may be enhanced by reduction with the thinners specified. Please note that additional reduction will increase VOC content of the mixed coating.

Note: Always know local VOC restrictions for coating applications in your area before thinning this product. Thinning recommendations meet Federal VOC restrictions for architectural coatings. This product and other referenced products may not meet VOC restrictions for your application and may not be available in your area. Carefully read and observe warning on thinner labels.

APPLICATION: Mix 3 parts QuickClean™ HS CLEAR to 1 part 99975 catalyst. Thoroughly mix and add 21102 ACRYLITHANE™ Supreme Spray Reducer only as required. When temperature is over 70°F, use 21092 ACRYLITHANE™ Medium Reducer. Add 21093 ACRYLITHANE™ Retarder to reduce dry spray and orange peel, if required. For roller application, reduce with 21099 ACRYLITHANE™ Brush and Roll Retarder at a rate of 1-2 fl oz/gal.

POT LIFE: Pot life is approximately 4 hours after mixing. Mix only the amount of material that can be used in 4 hours. Pot life is decreased with an increase in temperature. Mixed material should be kept in as cool a place as possible. Flush mixed material from pot and lines immediately after use.

DRYING TIME: See Application Data for typical dry times. Low temperatures, poor ventilation and thick films will retard drying.

CLEAN UP: Flush mixed material from pot and lines immediately after use. Clean up paint tools or spills immediately with recommended thinner, carefully observing cautions on paint and thinner labels. Dried paint may be removed by scraping.

HEALTH AND SAFETY

Read the Material Safety Data Sheet (MSDS) and container labels for detailed health and safety information. This product is intended for industrial use by properly trained professional applicators only.

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