

# DERBIFLASH RS 287 COLOR BASE

## DESCRIPTION

Derbiflash RS 287 Color Base is an un-pigmented polymethyl methacrylate (PMMA) resin specifically formulated for use with Derbiflash RS Color Additive as a high-performance top coat for Derbiflash RS systems.

## ADVANTAGES

- ▶ Durable, UV-stable abrasion-resistant topcoat
- ▶ Rapid curing and easy application provides same-day application
- ▶ Excellent chemical and corrosion resistance
- ▶ Color additives, surfacing aggregate and textured coatings provide a variety of grip and aesthetic options

## SURFACE PREPARATION

Derbiflash RS finishes can be applied to clean, dry fully cured Derbiflash RS primer, membrane or mortar layers. Carefully inspect the in-place membrane for deficiencies before applying any finish or surfacing component. **NOTE:** Surface Imperfections will telegraph through surfacing and finishes and therefore must be corrected before proceeding. Refer to the Derbiflash RS application guide for specifications and recommendations.

## MIXING INSTRUCTIONS

Using a slow-speed (200-400 rpm) mechanical agitator, thoroughly mix the entire container of resin for two minutes. Slowly add the entire contents of Derbiflash RS Color Additive to the resin and continue mixing for 2 - 5 minutes until uniform streak-free color. **NOTE:** Combining the color additive to Derbiflash RS 287 Color Finish does not affect shelf-life or storage.

Only catalyze the amount of material that can be used within 10-15 minutes. Add the pre-measured catalyst to the resin and stir for two minutes before applying to substrate. The amount of catalyst required is determined by resin weight and ambient temperature. Refer to the catalyst information below.

CATALYST RATES (per 10 KG)			
<b>Ambient Temperature</b>	32 - 49°F	50 - 68°F	69 - 95°F
<b>Catalyst Required</b>	<b>6</b> 0.1 KG packets	<b>4</b> 0.1 KG packets	<b>2</b> 0.1 KG packets



## WORKING TIMES\* (at 68°F)

<b>Pot Life</b>	15 minutes
<b>Rain Proof</b>	30-45 minutes
<b>Next Coat</b>	45-60 minutes
<b>Fully Cured</b>	3 hours

## WORKING TEMPERATURES

<b>Ambient Temp</b>	32 - 95°F
<b>Substrate Temp</b>	32 - 122°F
<b>Resin Temp</b>	37 - 86°F

\*All working and cure times are approximate and may vary upon wind, humidity and ambient/surface temperatures.

## COVERAGE RATES (10 KG)\*

<b>Smooth</b>	~ 200 SQ FT
<b>Aggregate #1</b>	~ 142 SQ FT
<b>Aggregate #0</b>	~ 166 SQ FT

\*10 KG = 8.5 KG Derbiflash RS Color Base mixed with 1.5 KG RS color additive.

## APPLICATION

Derbiflash RS 287 Color Finish should be uniformly spread across substrate with the required steel v-notch rake; using a roller to remove puddles. Finish the topcoat by lightly rolling in one direction slightly overlapping previously rolled sections to create a single uniform application. The same finish roller procedure and direction should be used throughout the entire application to produce the most consistent and uniform sheen possible. **IMPORTANT: Remove perimeter taping prior to membrane cure.**

**For complete application and surfacing instructions refer to the Derbiflash RS Application Guide for specifications.**

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## TECHNICAL CHARACTERISTICS\*

PROPERTY	VALUE
<b>Color</b>	Transparent
<b>Size</b>	8.5 KG
<b>VOC content</b>	< 5 g/L

PROPERTY/UNIT	PROPERTY	ASTM TEST METHOD
<b>Liquid Density</b> @ 73.4°F (23°C)	<b>8.5 lb/gal</b> (1.02 g/mL)	<b>D51475</b>
<b>Viscosity</b> @ 73.4°F (23°C)	<b>63 KU</b> (370 cPs)	<b>D562</b> Method A
<b>Impact Resistance</b> @ 73.4°F (23°C)	<b>Shore A: 96</b>	<b>D2240</b>
<b>Abrasion Resistance</b> 4 inch Disc	<b>0.00029 lb</b> (133 mg)	<b>D4060</b>

\* All values shown are nominal and subject to normal manufacturing tolerances.

## CLEAN UP

Brushes and rollers will remain pliable and usable if they are kept moving in liquid resin. If allowed to sit, they will stiffen quickly as resin begins to cure. Rollers and brushes should be discarded once they harden. Roller handles and metal tools may be cleaned with Derbiflash RS Cleaner. To minimize cleaning, wipe reusable handles and tools with clean, dry cloth as needed before resin components cure.

## LIMITATIONS

Ambient temperatures must be 5 degrees above the dew point and air temperatures between 32-95°F. Do not attempt application if substrate temperatures are <122°F. Changing project conditions should be monitored throughout the day to adjust catalyst ratios and cure time.

For vertical substrates or slopes exceeding 1½:12, Derbiflash RS resins should be pre-mixed with Derbiflash RS Liquid Thixo. The amount of thixotropic additive needed will vary by slope and temperature, refer to the Derbiflash RS application guide for specifications and recommendations.

Provide and maintain positive airflow during application to facilitate cross-linking and hardening. For areas where poor ventilation occurs, such as inside corners, along the base of high walls or beneath large mechanical units, ventilation should be provided with powered fans.

Derbiflash RS components should be installed the same day without delays or stoppage wherever possible. This applies to all primers, membrane, mortar, topcoat and finishes. If work is interrupted for more than 12 hours, or the surface layer becomes dirty or contaminated from exposure to the elements, thoroughly clean the area with Derbiflash RS Cleaner. Derbiflash RS Cleaner should be allowed a minimum of 20 minutes drying time after application before continuing work. Following the drying time, the next application process should be completed within 1 hour.

## STORAGE & HANDLING

Store containers away from excessive heat and open flames. Containers should be stored in a cool, dry indoor environment at temperatures between 32 - 77°F. PROTECT FROM FREEZING. Approximate shelf life is 12 months from date of shipment when properly stored, sealed and unmixed.