

## Selection & Specification Data

<b>Generic Type</b>	Waterborne Acrylic Elastomer
<b>Description</b>	A high-quality, 100% acrylic-copolymer elastomeric wall coating with excellent durability and superior flexibility. With 400% elongation, allows expansion in concrete and masonry surfaces, bridging small cracks, and covering minor surface defects. Used as a high build exterior/interior finish for industrial or commercial use on concrete, unglazed brick, stucco, open texture block, and properly prepared wood or steel.
<b>Features</b>	<ul style="list-style-type: none"> <li>▪ Resistant to wind-driven rain in two coats per Federal Specification TT-C-555B</li> <li>▪ Over 400% elongation</li> <li>▪ Chalk resistant, color retentive</li> <li>▪ Mildew and stain resistant</li> <li>▪ High-build; up to 6 mils dry per coat</li> <li>▪ Easy to clean</li> <li>▪ 215 psi tensile strength</li> <li>▪ Low odor, low VOC</li> </ul>
<b>Colors</b>	White is standard; Custom colors refer to Carboline Color Guide
<b>Finish</b>	Satin
<b>Primers</b>	Refer to <i>Substrates &amp; Surface Preparation</i> .
<b>Dry Film Thickness</b>	6 mils (150 microns) per coat 2 coats are normally recommended
<b>Solids Content</b>	By Volume: 45% ± 2%
<b>Theoretical Coverage Rate</b>	721 mil ft <sup>2</sup> (17.7 m <sup>2</sup> /l at 25 microns) 60 ft <sup>2</sup> @ 12 mils (1.47 m <sup>2</sup> /l at 300 microns) Allow for loss in mixing and application.
<b>VOC Values (EPA 24)</b>	As supplied: 0.71 lbs/gal (85 g/l) These are nominal values and may vary slightly with color.
<b>Limitations</b>	<ul style="list-style-type: none"> <li>• Use only at temperatures of 50°F and above.</li> <li>• Do not use below-grade or on back-filled retaining walls.</li> </ul>

## Substrates & Surface Preparation

<b>General</b>	Surfaces must be clean and dry. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.
<b>Crack Repairs</b>	Fill cracks and nail holes with a suitable caulk (acrylic or siliconized acrylic). Cracks over 3/8" usually indicate a structural issue and need to be addressed by an engineer.
<b>Steel</b>	Prime with appropriate corrosion resistant coating.
<b>Galvanized Steel</b>	Not Recommended
<b>Concrete</b>	Concrete must be cured 28 days at 75°F (24°C) and 50% relative humidity or equivalent. Laitance, form oils, curing agents and hardeners must be removed by suitable method before coating application.
<b>CMU</b>	Mortar joints should be thoroughly cured for a minimum of 15 days at 75°F (24°C) and 50% relative humidity or equivalent. May be primed with Carbocrylic® 120 to promote adhesion.
<b>Drywall &amp; Plaster</b>	Joint compound and plaster should be fully cured prior to coating application. Prime with Carbocrylic 120.
<b>Wood</b>	Lightly sand with fine sandpaper and remove dust. Prime with Carbocrylic 120.
<b>Previously Painted Surfaces</b>	Lightly sand or abrade to roughen surface and degloss the surface. Existing paint must attain a minimum 3B rating in accordance with ASTM D3359 "X-Scribe" adhesion test. Prime with Carbocrylic 120.

## Performance Data

Test Method	System	Results
ASTM D2370 Elongation	1 ct. Flexxide	410% on a 12 mil free film
ASTM D412 Tensile Strength	1 ct. Flexxide	215 psi
TT-C-555B Wind Driven Rain	2 ct. Flexxide	Passes

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# Flexxide Elastomer

## Application Equipment

### Spray Application (General)

The following recommendations are the result of equipment manufacturer's testing and field experience. Contact the specific equipment manufacturer if using equipment other than described here.

### Airless

Pump: Use a pump suitable for maintaining 2300 psi.  
Material Hose: Minimum ¼ inch or larger for long distances  
Gun: Silver gun or equivalent  
Tip Size: .023-.027"  
Reverse-A-Clean

### Brush/Roller

Use a good quality nylon or polyester brush. Use 9"-12" roller with rough 3/4" nap. Wet the roller thoroughly with water and spin it out before filling it with material. Apply liberally to specified wet film mils. Avoid dry rolling. Multiple coats may be required to achieve desired appearance, hiding and recommended dry film thickness.

## Mixing & Thinning

### Mixing

Power mix until uniform in consistency. Avoid excessive air entrapment.

### Thinning

Normally not required. Material is ready to apply as supplied. If needed thin up to ½ pint per gallon with clean potable water. Use of thinners other than those supplied or recommended by Carboline may adversely affect product performance and void product warranty, whether expressed or implied.

## Cleanup & Safety

### Cleanup

Use Carboline Surface Cleaner 3 followed by potable water rinse. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

### Safety

Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Use adequate ventilation and wear gloves or use protective cream on face and hands if hypersensitive. Carbocrylic 600 is an alkaline solution that contains minor amounts of combustible solvents. Workmen must wear fresh airline respirators in confined areas. Keep container closed when not in use.

## Application Conditions

Condition	Material	Surface	Ambient	Humidity
Normal	60°-90°F (16°-32°C)	65°-85°F (18°-29°C)	65°-90°F (18°-32°C)	10-85%
Minimum	50°F (10°C)	50°F (10°C)	50°F (10°C)	0%
Maximum	100°F (38°C)	130°F (54°C)	120°F (49°C)	90%

Do not apply when the surface temperature is less than 5°F (3°C) above the dew point. Do not apply if temperatures are expected to drop below 50°F (10°C) within 24 hours of application. Water base products are sensitive to moisture during cure. Do not apply to frozen block or any masonry surface that has not completely thawed. Special application techniques may be required above or below normal application conditions.

## Curing Schedule

Surface Temp. & 50% Relative Humidity	Dry to Touch	Dry to Recoat
50°F (10°C)	2-3 hours	48 Hours
60°F (16°C)	1.5 hours	12 Hours
75°F (24°C)	1 hour	5 Hours
90°F (32°C)	30 minutes	3 Hours

These times are based on a 6.0 mil (175 micron) dry film thickness. Higher film thickness, insufficient ventilation, high humidity or cooler temperatures will require longer cure times. Allow to cure at least 8 hours prior to exposure to rain.

## Packaging, Handling & Storage

Shipping Weight (Approximate)	5 Gallons 65 lbs (29 kg)
Flash Point (Setaflash)	Non-flammable
Storage (General)	Store Indoors. <b>Keep from Freezing</b>
Storage Temperature & Humidity	40° -100°F (4°-40°C) 0-90% Relative Humidity
Shelf Life	24 months at 75°F (24°C)



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