



### Technical Data

#### PRODUCT DESCRIPTION

Neocrylic™ LR is a water-based, acrylic, decorative, high build coating used to protect and add light reflectivity to properly prepared interior or exterior masonry, concrete, stucco, wood, EIFS (exterior insulated and finish systems) and incidental metal surfaces. It offers outstanding color retention, low lustre and exceptional ease of application. Neocrylic™ LR resists flaking, peeling and blistering and has excellent durability.

#### PRODUCT NUMBER AND COLOR

7051..... White

#### PRODUCT DATA

Description	Test Method	Results
Gloss @ 60 Degree	ASTM D523	6.0
Weight/Gal	ASTM D1475	11.38 lbs/gal
Weight Solids	ASTM D4209	56.0%
Volume Solids	Calculated	39.9%
Viscosity	ASTM D562	95 KU
VOC Content	EPA Method 24	<50 g/L
Flash Point	ASTM D3278	None

The above tested results are typical values. Individual lots may vary up to 10% from the typical value.

#### CURED PHYSICAL PERFORMANCE

Description	Test Method	Results
Tensile Strength	ASTM D412	250 psi
Elongation	ASTM D412	90%
Permanent Set	ASTM D412	<20%
MVT	ASTM D1653	2.6 Perms
Reflectivity, Diffuse	LM 44 1990	94.8%
Accelerated Weathering	ASTM G154 3,000 hrs	No Chalking, Discoloration or Cracking

The above tested results are typical values. Individual lots may vary up to 10% from the typical value.

#### AVERAGE % OF DIFFUSE REFLECTANCE

Unpainted Concrete	Concrete with White Paint	Neocrylic LR
24.9	92.4	94.8

#### SURFACE PREPARATION

Surface should be clean and sound. Concrete substrates

should have a minimum 28 day cure and be free of all bond-inhibiting contaminants.

High-pressure water blast (or abrasive blast on hard, dense surfaces) surface to medium grit sandpaper texture (reference ICRI guide 03732 SP 3).

Repair any holes, spalled and damaged concrete with appropriate NEOGARD® repair materials. Remove any protruding concrete accessories and smooth out any irregularities.

Some stains may require chemical removal. Be sure to neutralize the compounds and rinse with clean water.

Remove any blisters or delaminated areas and sand edges to smooth rough areas and provide transition to old paint areas. Check adhesion of old paint using ASTM D3359, measuring adhesion by Tape Method A.

Treat cracks greater than 1/32" with knife grade or brush grade patching compound. Treat cracks larger than 1/4" as standard sealant joints and fill with appropriate NEOGARD® 70991 sealant.

#### MIXING INSTRUCTIONS

Thoroughly mix Neocrylic™ LR at slow speed with drill and mixing paddle to ensure uniform color and aggregate disbursement and to minimize air entrapment.

In multi-pail applications, mix the contents of each new pail into the partially used pail to ensure color consistency and smooth transitions from pail to pail.

#### APPLICATION

Neocrylic™ LR is meant to be applied as a one or two-coat system, achieving a total dry-film thickness (DFT) of 6 – 16 mils.

Apply Neocrylic™ LR by brush, spray, roller, or spray-and-back roll. Spray apply Neocrylic LR for best results.

Maintain proper uniform wet-film thickness (WFT) during application to ensure the performance characteristics desired.

Always work to a natural break and maintain a wet edge during application.

For uniformity of color and texture, application techniques must be consistent throughout the project. Inconsistent application techniques will produce texture or color variations.

PRIMER: Prime chalky or porous surfaces with 7031-100 water based acrylic primer at a rate of 150-350 square feet

per gallon, previously painted surfaces at a rate of 175-400 square feet per gallon and EIFS at a rate of 150-300 square feet per gallon.

New concrete, masonry and wood surfaces should be primed with 3090 MULTI-GRIP™ II primer at a rate of 100-400 square feet per gallon.

Ferrous metal should be clean and rust free. Prime using 33304/99953 CHEM-O-PON™ or 3090 MULTI-GRIP™ II primer at a rate of 200-300 square feet per gallon.

Copper, aluminum, lead, etc., should be primed with 188-942 MIST-COAT™ II primer at a rate of 400-500 square feet per gallon.

Galvanized metal should be solvent-wiped and primed with 188-942 MIST-COAT™ II or 3090 MULTI-GRIP™ II primer at a rate of 400-500 square feet per gallon.

#### LIGHT REFLECTIVE COATING

**ROLLER:** Use a quality 1/2" to 1-1/4" nap roller cover (lamb's wool preferred). Completely saturate the roller and keep it loaded with the coating to build the required mils. Never dry roll. Roll the coating in a consistent fan-like pattern to achieve uniform mil thickness. Cross roll to achieve uniform thickness and maintain a wet edge. Back roll in one direction as stroke variations may result in uneven color and texture

**BRUSH:** Application by brush is recommended only for small inaccessible areas, e.g., on touch-ups. Use a nylon brush only.

**SPRAY:** Equipment is available for spraying all grades of Neocrylic™ LR. For fine and coarse textures, it is necessary to use a heavy-duty sprayer designed for the application of coatings that contain texture. Gun pressure should be around 30 psi. Back rolling after spray application is strongly recommended to achieve uniform texture and film thickness.

#### CLEAN UP

Clean all tools and equipment immediately with water. Cured material may be removed by mechanical means.

#### DRYING TIME

Times assume 70°F and 50% relative humidity.

- To touch: 1 – 2 hours
- To recoat: 2 – 4 hours
- To full cure: 5 days

Lower surface or air temperatures and higher relative humidity will extend the drying time.

#### PRECAUTIONS

Protect from freezing. Do not apply when the temperature (substrate or ambient) is 40°F or below or is expected to fall below 40°F within 24 hours after application. Do not apply if rain is expected within 24 hours of application.

Do not apply to existing coatings that are not compatible.

Apply a 4 by 4 ft (1.2 by 1.2 m) test area to verify acceptable color, texture and adhesion before proceeding with any project. The test method for measuring adhesion is ASTM D3359, Measuring Adhesion by Tape, Method A. On the 0–5 scale, a minimum adhesion rating of 4A is required.

Proper application is the responsibility of the user. Field visits by NEOGARD® personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the job site.

#### THINNING

Thinning of material is not recommended. If thinning is required, contact NEOGARD® for recommendations.

#### PACKAGING

5 gallon pails

#### STORAGE

Store in unopened containers protected from freezing in a clean, dry area. Primer should be stored in a cool 75°F area.

#### 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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