



ROCKBOND RB-111

Product Data Sheet

Breathable High Build Finishing System

Rockbond RB-111 is a vapor permeable finishing system designed to protect the structure from premature deterioration. RB-111 is a high build coating that when applied in thin sections maintains excellent adhesion to properly prepared and durable substrates. It restores and protects concrete and masonry facades, elements and ornaments. The system is monolithic and seamless, non-flammable, durable and impact resistant. The two-coat installation affords owners with a breathable building shell, which protects against deterioration caused by natural weathering. It is formulated to protect against chloride and chemical ingress and resist the elements that cause carbonation within the substrate. The system creates a barrier to water molecules while allowing moisture trapped within the substrate to escape. The moisture drive is outside of the building. Tight envelopes provide owners and residents with control over their indoor air quality, temperature, humidity levels and energy consumption within the facility. ROCKBOND brightens the structure and is favored by owners and designers due to its natural finish and appearance. ROCKBOND is available in any custom color match and is topped with RESICOLOR to improve the UV resistance, cleaning and color uniformity of the structure.

WHERE TO USE:

- Breathable building envelope restoration projects.
- Structures composed of brick, CMU, various masonry, fluted concrete, cast-in-place or precast concrete, structural steel or a combination of these elements.
- Restoration projects that require a quick turnaround within a wide range of environmental conditions.
- Projects requiring protection against premature deterioration of a new or restored structure as part of the owner asset management plan.
- Building envelope restoration projects included within residential, commercial, industrial and institutional facilities, such as apartment, condominium and office complexes, educational facilities, hotels, healthcare complexes, transportation facilities, sports complexes and entertainment parks.

TYPICAL APPLICATIONS:

Facade
Building envelope
Fluted concrete
Eyebrows
Bulkheads
Building ornaments
Columns
Soffits
Building enclosures
Tunnels
Parapet walls
Cheek walls
Retaining walls
Highway median dividers
Noise barriers

FEATURES AND BENEFITS:

Architectural enhancement
Natural in appearance
Transmits moisture vapor
Protects from weathering
UV resistant
Resists wind driven rain
Reduces chloride intrusion
Contains migratory corrosion inhibitor
Excellent bonding capacity
Impact resistant
Quick return to service
Easily recoated if damaged
Odorless
LEED compliant

TYPICAL PHYSICAL PROPERTIES AT 75°F (24°C):

Typical physical properties and test results may differ based upon statistical variations of independent testing labs with respect to test methods, mixing methods and the equipment used. Project application methods, temperature, actual site and environmental conditions will all affect the cure rates, working life, recoat time and open to traffic project conditions.

Compressive Strength	ASTM C-109	2,310 psi
Tensile Strength	ASTM C-190	410 psi
Water Vapor Transmission	ASTM E-96 Procedure A	99.7 grs/sq. meter/ 24 hours or 1.96 perms/in
Rapid Chloride Permeability	ASTM C-1202	230 coulombs
Water Absorption	Weight gain of 4" coated concrete cube, 21-day immersion (CMCH)	< 2%
Impact Strength	MIL-D-3134 2 lb. steel ball dropped from 8' onto coated steel plate	No cracking or detachment
Flexural Strength	ASTM C-580 Modulus of Rupture	191 psi
Adhesion to Concrete	ASTM C-638	12.2 piw
Salt Spray	ASTM B-117	1000 hours exposure produced no visible degradation
Hardness	ASTM D-2240	82 Shore A
Fire Resistance	UL-790	System complies as Class A
Flammable Properties	ASTM E-84 Steiner Tunnel Test	Flame spread - 4 Smoke density - 0
Resistance to Wind-Driven Rain	Fed. Spec. TT-C-558 8 hrs. TT-P-0035 24 hrs.	At 5" water pressure and 60 gal/hr. water flow, no water or dampness noted on back of test panels
Resistance to Hydrocarbon Substances	ASTM D-1308 Spot Open Test	No softening or attack after 21 days repeated re-application of gasoline, SAE-10 motor oil and jet fuel
Weathering	ASTM G-23 Method I Procedure, 60 cycles	No degradation visible
VOC g/L		3 g/L
Working Life		15-30 minutes
Recoat Time		6 - 8 hours or when fully cured
Millage in Two Coats		40 mils
Standard Colors		24 standard colors, black and white
Custom Colors		Available upon request
CSI Division		07 16 13

PACKAGING:

5 gallon pail of RB#3 Liquid
Two 55 pound bags of RB#3 Powder
Pigment pint

TOPPING:**RESICOLOR Pigmented Acrylic Sealer:**

RESICOLOR will provide the system with continued breathability, increased UV stability and ease of cleaning. It is pigmented in the same color selection as the coating and provides overall color uniformity to the installation. It is designed for interior and exterior service conditions.

SHELF LIFE:

One year from date of manufacture as long as containers remain unopened and material is stored in a tempered area at 65°F to 75°F.

LEED SUBMITTALS:

Available upon request. Credit points may be available under five different classifications.

SPECIFICATION ASSISTANCE:

Consult Strongwall Industries, Inc.

TESTING:

The technical data contained herein is the result of tests made in the manufacturer's laboratories or independent laboratories using small-scale equipment, ideal conditions and following generally accepted trade practices. Although this information is believed to be true and accurate, the use of different equipment for testing under dissimilar conditions or the testing of samples produced under dissimilar conditions may develop substantially different results.

MATERIALS GUARANTEE:

Available upon request.

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