RC100

RAPID CURE HYBRID COATING

TECHNICAL DATA SHEET

Rev. 06-2020

QUADEX® INDUSTRIAL
A VORTEX COMPANY

COATINGS
SEALERS
ANTI-GRAFFITI

Physical Properties

VOC CONTENT
65 g / L

RECOMMENDED APPLICATION THICKNESS
8 mils per coat

MIXED SOLIDS CONTENT BY WEIGHT
92.5% Solids

POT LIFE
109 minutes

MINIMUM RE-COAT
1 hours minimum

LIGHT FOOT TRAFFIC
2 hours

MAXIMUM RE-COAT
24 hours
(contact manufacturer)

MIXING RATIO
8.0 part A; 1.0 part B

HARDNESS (KONIG PENDULUM)

4 Hrs:	33 Seconds
1 Day:	87 Seconds

DRYING TIMES

Set-to-Touch:	27 Minutes
Tack-Free:	34 Minutes
Hard-Dry:	41 Minutes
Through-Dry:	55 Minutes

TABER ABRASION
*Cured at 68°F for 7 Days

Weight Loss @ 500 Cycles:	54mg
Weight Loss @ 1000 Cycles:	110mg

MALINATED POLYESTER/ACRYLATE HYBRID

DESCRIPTION

RC100 is a low viscosity, high-solids malinated polyester/acrylate hybrid coating system reacting with a blocked catalyst. RC100 is an isocyanate-free system featuring super fast cure, long pot-life, excellent adhesion, and great chemical resistance for a premium coating with fast return-to service. The system can be used for both decorative and protective applications as it exhibits outdoor durability, chemical resistance, skydrol resistance, and light-fastness as well as high gloss and color retention. The material is applied in single or multiple coats by brush, roller or squeegee to varying thicknesses up to 10 mils. It can be applied as a top coat employed within multi-build chip/quartz seamless coating systems.

RC100 provides excellent impact, abrasion, and chemical resistance characteristics. Suitable for high traffic interior or exterior applications, the material is ideal for clear topcoat sealer applications over commercial applications, industrial facilities, swimming pool decks, and parking garages.

FEATURES AND BENEFITS

- Walk-on in 3 hours, 12-hour return to service
- No odor, low VOCs
- Outstanding mechanical properties including flexibility, abrasion resistance, and low viscosity
- UV-resistant; retains optical clarity of clear sealer/finish
- Isocyanate-Free
- Low temperature cure
- Excellent chemical and stain resistance, resistant to skydrol
- Resistant to hot-tire pickup
- Micro-media agents can be introduced as traction additives
- Tolerant to 300°F for random, incidental heat contact
- High tolerance to moisture in stubstrate and environment
- Excellent weatherability, durability, solvent and chemical resistance, color retention and gloss retention

TYPICAL USES

- Multi-coat commercial and industrial solid color concrete/metal coating system consisting of multiple pigmented coats and clear top coat(s)
- Suspended concrete slabs
- Concrete tanks
- Flooring systems
- Concrete sound barrier walls
- Decks

COVERAGE

MILS	Sq. ft. per coat/gallon
4-MILS	371
5-MILS	297
6-MILS	247
7-MILS	212
8-MILS	185
9-MILS	165
10-MILS	148

Coverage rate is theoretical and may vary due to the porosity and profile of concrete.

Material should be kept in a cool dry place prior to application.

MIXING DIRECTIONS

Mixing Part A with Part B:

Mix 8 parts RC100 and 1 part RCX (8:1) using a clean, dry working vessel. Use a paint mixing stick or paddle mixer on slow speed for 2 - 3 minutes. Avoid over-mixing or creating a vortex that would introduce air. No induction time is required prior to use. If micro-media agents are to be incorporated, they are to be added after thoroughly.

APPLICATION & PREP

Suggested application thickness is 8 mils or 185 ft per coat, per gallon. Maximum application mil thickness in a single application is 10 mils. Surface should be clean, dry, and grind to CSP-2 minimum. If acid-wash is used for cleaning, surface must be thoroughly neutralized with ammonia/water and rinsed.

Add 1 Gallon of RC100 to 1 Pint of RCX to activate coating. Mix thoroughly with paint mixing stick or low speed drill and jiffy blade for 2 - 3 minutes. Pour mixture on the floor and use your choice of squeegee or roller with maximum nap at 3/8". Do not apply WFT higher than 10 mils in one coat.

CLEAN UP

Use MEK or Acetone

PACKAGING

1.125 gallon kit, 4.5 gallon kit, 40 gallon kit

SAFETY

RC100 Rapid Cure Hybrid products contain chemical ingredients that are considered hazardous. Read the container label warning and Safety Data Sheet prior to use.

WARNING: DO NOT ALLOW TO FREEZE