

CRP Epoxy Quartz System

(100% solids) Decorative Epoxy Quartz Flooring
Technical Data Sheet

1.) PRODUCT DESCRIPTION

A) Composition

CRP Epoxy Quartz is a durable, trowel applied flooring system that consists of colored quartz aggregate encapsulated in a clear epoxy resin matrix, producing a seamless flooring system incorporating an integral seamless cove base. It is resistant to hydrocarbon greases, food greases and fats, and a wide range of chemicals and solvents; it has excellent cleanability, and a superior appearance providing lasting beauty and color. CRP Epoxy quartz is a V.O.C. compliant 100 % solids system (SQAMD Rule 1113), with no odor.

B) Typical Uses

Floors for toilet and locker room, institutions, laboratories, classrooms, food service, meat and poultry plants and certain kitchen areas.

C) Advantages - Limitations

Advantages

1. Excellent cleanability and abrasion resistance.
2. Available in many textured profiles from smooth to completely no slip 30 mesh
3. Complies with VOC regulations.
4. Dries for reseed in 4-6 hours
5. 20 –25 minute pot-life
6. May be incorporated with waterproofing membrane
7. Available with anti-microbial additive upon request
8. Increased resistance to blush under adverse conditions

Limitations

1. Low thermal shock resistance
2. Moving cracks in concrete may reflect through finish.

SPECIFICATION AND TECHNICAL ASSISTANCE & PRODUCT AVAILABILITY

Contact: Concrete Restoration Products

PH# 714-525-9033

Fax# 714-525-9733

Consult CRP for specification assistance.

Installation

A) Prepare surface by careful and thorough removal of laitance, grease, and foreign matter.

B) Apply epoxy primer coat, filling existing cracks or voids in the concrete. Note: if needed apply semi ridged epoxy joint filler to cracks and control joints.

C) Spread CRP Epoxy resin by squeegee and back roll to achieve a uniform film build and desired thickness. Seed aggregate into wet resin to refusal.

D) After base coat is sufficiently cured sweep and vacuum up all excess aggregate, repeating step "C" 1 to 2 times depending on desired thickness.

E) Flood seal cleaned surface with CRP Epoxy resin to the desired finish.

PHYSICAL CHARACTERISTICS AND TECHNICAL DATA

A) System thickness 1/16" –1/8" (62 – 125 mils)

B) Shore D hardness (ASTM D-2240) 88

C) Gel Time (150g mass 77F) 32 min

D) Compressive strength (ASTM D-695-85) 11,000 psi

E) Flexural strength (ASTM D-790-86) 19,500 psi

F) Tensile strength (ASTM D-638-86) 10,000 psi

G) Gloss, 60 degrees (ASTM D-523-85) 120

H) Tensile elongation (ASTM D-638-86) 2.3%

I) Abrasion Resistance 133.5mg (ASTM D-4060) CS-17 Disk, 1KG, 1000 Cycles-

J) Ratio by Volume 3 parts 'A' – 1 part 'B' (3:1)

K) Byk Gardner dry time 4 hours.