



Delta Polymers, Inc.
130 South 2nd St.

North Bay Shore, NY 11706

(631) 254-6240 (800) 966-5142 Fax: (631) 595-2537

CRC 200

DESCRIPTION

CRC 200 is a 100% solids Superbond® epoxy system which is primarily used as a binder and resurfacing compound. A modified epoxy-amine system having unique properties featuring moisture insensitivity, high strength, high modulus and load transfer. It has excellent bond to concrete, steel and wood. It meets ASTM C-881-87 Grade I class B&C Type I, II, IV & V. CRC 200 HV meets ASTM C-881-87 Grade 2, class C, Type I, II. CRC 200 Gel meets ASTM C-881-87 Grade III, Class C, Type I & II.

USES

Commercial flooring, warehouses, food and pharmaceutical, processing plants, battery rooms, supermarkets, fire houses, plating rooms, garages, ramps, schools, post offices, etc.

PHYSICAL PROPERTIES

Pot Life @ 75°F	35 minutes	ASHTO-T237
Curing temperature limits	40°F and up	
Initial set time @75°F	6 - 8 hours	
Mixing ratio by volume	2 parts Base:1 part Hardener	
Viscosity @ 75°F CPS	500 - 700	ASTMD-2393
Tensile strength PSI	5,000 - 7,000	ASTMD-638
Tensile elongation %	1 - 2	ASTMD-638
Tensile strength PSI (Mortar)	2375	ASTMC-307
Compressive strength PSI	13,000	ASTMD-695
Compressive strength Mortar PSI	11,000	ASTMD-695
Flexural strength PSI	4700	ASTM-580
Hardness Shore D	85	ACTMD-2240
Bond strength 100%	concrete failure	ASTMC-882
Bond strength	430 PSI	ACI-403
Federal Test Method STD-406, M 7011	No indentation	MIL-D-3134F
Indentation		
Flammability	Self extinguishing by this test as determined with a backing of concrete	ASTMD-635
Water absorption	Max. 0.08%	ASTMC-413
Thermal coefficient of linear expansion	2.3×10^{-5} in./in./°F	ASTMD-696
Abrasion resistance, C-10 wheel, 1000 gm. load, 1000 cycles	0.17 gm. max	ASTMD-1044
Coverage (Coating)	75 - 100 square feet/gallon	
Coverage (Mortar-one gallon)	12.8 square feet @ 1/8" thick	
Application	Trowel, roll or spray	
Colors	Various colors available	

Surface preparation:

Concrete surface should be free from oil, grease and loose paint. and sand blasted, blast tracked, and if new, should be acid etched with 25% diluted muriatic acid and then rinsed three times with fresh water.

Steel should be free from rust, oil, grease and loose paint. Steel should be sand blasted to white metal.

Chemical Resistance:

CRC 200 has been tested with a wide range of chemicals in accordance with ASTM-D-1380, 30 days total immersion. This system is resistant to:

acetic acid 10%	cellosolve	M.E.K.	sugar
acetone	citric acid 30%	M.I.B.K.	sulphuric acid
ammonia 20%	distilled water	mineral spirits	toluene
anti-freeze	ethyl acetate	motor oil	triethanolamine
brine	ethyl alcohol	naphtha	urea 10%
butamel	gasoline	oxalic acid 10%	xylene
butyl acetate	heptone	skydrol	
carbon tetrachloride	hexane	sodium hydroxide 50%	

Applications:

Different size aggregates can be used to achieve different types of non-skid surfaces, coarse, medium and fine. Colored stone quartz, flint-shot sand, sand No. 1 and sand No. 0 are available. Overlays can be applied at 1/8", 1/4" or more. There are three basic methods used.

Mortar:

To each mixed part of **CRC 200** add 3-4 parts of sand by volume. Mix thoroughly and apply with trowel at the required thickness of the floor.

Slurry Method:

To each mixed part of **CRC 200** add 2 parts of sand by volume. Mix thoroughly and apply with trowel. Allow it to self level. Broadcast more sand while the epoxy is wet. Let it cure and then sweep up the excess aggregates. Apply top or finish coat with **CRC 200**, **CRC 100** or **Polythane** depending upon the requirement.

Broadcast:

To achieve 1/8" thick floor: Apply first coat of mixed **CRC 200** at the rate of 50 ft²/ gallon. Broadcast flint shot sand at the rate of 1 lb./ft². Allow to cure and then sweep up the excess sand and repeat the above process again. Apply the final top coat as required.

CRC 200S

Epoxy Liquid Binder

CRC 200S is essentially the same material as **CRC 200**, but is sold in the form of pre-packaged kits including a special blend of sands which do not stick to trowel.

<u>Kit Size</u>	<u>Net Weight</u>	<u>Coverage in square feet @ 1/8"</u>
15#	17.5 lbs.	15
30#	35 lbs.	30
75#	87.5 lbs.	75

Caution

Avoid contact with eyes and prolonged contact with skin. In case of eye contact, flush with plenty of water for at least 15 minutes and seek medical attention. For skin wash with soap and water. Keep away from children. For details see product data sheet and MSDS.

Non-Warranty

This product is made under strict quality control procedures of Delta Polymers, Inc. No guarantee is given or implied. We assume no responsibility for coverage, performance or injuries resulting from use. Liability if any is limited to replacement of products which are defective in manufacture. No other warranty or guarantee of any kind is made by the seller, express or implied, statutory by operation or law or otherwise, including merchantability and fitness for a particular purpose.

CRC 200