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**CRC 5050**

**Flexible epoxy control joint sealer/adhesive**

**Description:**

**CRC 5050** is a 100% solids Superbond® epoxy system which is primarily used as a sealer and filler for masonry, saw cut control joints and grooves. CRC 5050 is a unique epoxy system which is moisture insensitive, flexible and self leveling.

**Uses:**

Sealing interior joints.

Sealing saw cut joints in long strip flooring and in other large concrete pours.

Because it reinforces the joint and edges and as it has excellent bond with the concrete it prevents deterioration due to water and other chemicals.

**Properties:**

Pot life	ASHTDT-237	40 minutes
Curing Temperature Limit		40°F and up.
Initial Set Time @ 75°F		6-8 hours.
Final Cure Time @ 75°F		3 days.
Mixing Ratio by volume		1 Base : 1 Hardener.
Mixed Viscosity @ 75°F CPS.	ASTMD-2393	4000-5000
Mixed viscosity @ 75°F for Gun Grade		Gel.
Tensile Strength PSI	ASTMD-638	400-600
Tensile Elongation %	ASTMD-638	100-120
Shore A Hardness	ASTMD-2040	80 ± 10
Bond To Concrete PSI	ASTM C-321	220-265
Water Absorption %	ASTM C-413	0.19
Abrasion Resistance	ASTMD-1044	0.18 gm. max.
C-10 Wheel,1000 gm. load		1000 cycles.
Chemical Resistance	MIL D-3134	Passes.
Good chemical resistance against mild acids, alkalis, petroleum based fuels and steam.		

**Surface preparation:**

Concrete surface should be free from oil, grease and loose paint. Concrete surface should be 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.

**Mixing:**

Premix each part separately. Add one part Base and one part Hardener by volume. Mix thoroughly for two to three minutes to a uniform color.

**Applications:**

A- The joints should be free from dirt, dust, moisture and any foreign material. Use rotary power brush or vacuum or compressed air.

B- Tape both edges with masking tape.

C- Use bond breaker in the bottom of the groove such as backer rod or sand.

D- The mixed material can be poured either from the can with conventional caulking gun or disposable plastic dispenser. As the material starts curing you may have to apply the second pour because it may make the groove dish or concave.

E- Remove the tape when the material is still wet.

F- Do Not use CRC 5050 in expansion joints.

**Cleaning:**

Clean your tools with xylol, mineral spirits or paint thinner. Cured CRC 5050 can be removed mechanically.

**Packaging:**

2 Gallon Units, 10 Gallon Units.

**Coverage:**

One mixed gallon of CRC 5050 will provide 231 cubic inches of material.

**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.

**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.