QUANTUM Chemical
High Performance Coatings

URETHANE CONCRETE REPAIR SYSTEM

PRECIDIUM™ CRS 1100

DESCRIPTION

PRECIDIUM™ CRS 1100 is a fast curing two-component urethane designed for sealing defects and cracks in concrete. It can be mixed with aggregate to make a trowelable slurry for larger repairs. After curing it can be ground flush to surrounding substrate to provide a smooth surface for subsequent coating applications.

PROPERTIES

Density, ISO	1.063 g/mL
Density, RESIN	1.001 g/mL
Density, Mixed	1.032 g/mL
% Solids by Volume	59
% Solids by Weight	67
Pot Life	3-5 minutes*
Sanding Time	30 minutes*
Recoat Time	0.5-24 hrs

*Cure times are affected by temperature and humidity; times may vary and need to be adjusted accordingly.

STORAGE

Store in a cool, dry place for product integrity. Store in tightly sealed containers to protect from moisture and foreign materials.

AVAILABILITY

PRECIDIUM™ CRS 1100 is packaged in 2-quart and 2-US gallon sets.

PRODUCT SAFETY

An SDS is available upon request from Quantum Chemical.

CRACK FILLING INSTRUCTIONS

- **PRECIDIUM™ CRS 1100** is mixed at a ratio of 1 part Resin to 1 part ISO by volume.
- Mixing may be done by hand stirring or shaking for a minimum of 15 seconds. Mix the amount that you are able to use within 3-5 minutes of mixing.
- For large cracks, pre-fill the crack with dry silica sand and then apply mixed CRS 1100.
- Due to absorption into the concrete and settling, you may need to run over the cracks a second time to get level above flush for proper grinding.
- Initial viscosity is very low to ensure adequate absorption into the concrete and a strong bond. As the material nears the end of the pot life it will begin to thicken, so small batches and quick application after mixing are key.

SURFACE DEFECT INSTRUCTIONS

- Measure out and mix desired volume of **PRECIDIUM™ CRS 1100** in an open container.
- IMMEDIATELY mix in dry silica sand until desired consistency is obtained.
- Apply to repair area and allow to cure prior to grinding.

ADDITIONAL NOTES

- Ambient conditions will affect both the pot life and cure time. In hot summer conditions keep the containers in a shady location and consider mixing smaller than normal batches as pot life will be shortened.
- In general, the larger the amount mixed at a time, the shorter the pot life. Keeping batches small will result in better penetration and more workability.
- **PRECIDIUM™ CRS 1100** is not UV-stable and should be top coated if exposed to sunlight.
- Metal tools should be cleaned immediately with solvent. For plastic containers and tools, it may be possible to allow the material to cure and then simply peel off.

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