

*Foot Traffic  
in as little as  
30 minutes*

# ENECRETE®

## **DuraQuartz® RR**

### Rapid return to service concrete repair and protection system.

**ENECRETE® DuraQuartz® RR** is a three component, 100% solids, concrete repair composite specifically formulated and precisely engineered to provide solutions to concrete repair problems that require a quick return-to-service repair.

**ENECRETE® DuraQuartz® RR** is extremely versatile. It can be mixed to any consistency - from a viscous liquid to a firm mortar. **DuraQuartz® RR** is not only for concrete; it will bond to marble, stone, terrazzo and tiles!

**Bonds to...**

- Concrete
- Marble
- Stone
- Slate
- Terrazzo
- Tiles
- Wood
- Metal

- Extraordinary Adhesion
- Outstanding Compressive Strength
- 100% Solids
- Safe & Simple To Use

**ENECRETE® DuraQuartz® RR** is the professional's choice for repairing critical areas subject to shock, impact, abrasion and chemical attack that need to be returned to service quickly, such as:

- railway platforms
- busy sidewalks
- loading docks
- curbs
- anchor bolts
- setting and grouting tiles



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## Technical Data

Volume capacity per 5 kg	150 in <sup>3</sup> / 2460 cc		
Mixed density	0.072 lbs per in <sup>3</sup> / 2.0 gm per cc		
Coverage rate per 5 kg @ 0.25 in / 6mm	4 ft <sup>2</sup> / 0.37 m <sup>2</sup>		
Shelf life	Indefinite		
Volume solids	100%		
Mixing ratio	Base	Activator	Aggregate
By volume	2	1	6.5
By weight	2.4	1	10

## Cure Times

Ambient Temperature		Working Life	Foot Traffic
41°F	5°C	45 min	105 min
59°F	15°C	30 min	60 min
77°F	25°C	15 min	30 min

## Physical Properties

	Typical Values		Test Method
Compressive strength	10,500 psi	735 kg/cm <sup>2</sup>	ASTM D-695
Hardness-Shore D	85		ASTM D-2240
Elcometer adhesion - to cementitious and mineral type substrates is generally greater than the cohesive strength of such materials.			

## Chemical Resistance

Gasoline . . . . .	EX
Kerosene . . . . .	EX
Lactic acid (0-10%) . . . . .	EX
50 % Anti-freeze . . . . .	EX
Transmission fluid . . . . .	EX
Power steering fluid . . . . .	EX
Motor oil . . . . .	EX
Detergent solution . . . . .	EX
Trisodium phosphate . . . . .	EX
20% Salt solution . . . . .	EX
20% Calcium chloride . . . . .	EX
10% Hydrochloric acid . . . . .	EX
10% Sulfuric acid . . . . .	EX

EX - Suitable for most applications including immersion.  
G - Suitable for intermittent contact, splashes, etc.

# Using DuraQuartz® RR

**Surface Preparation** - ENECRETE® DuraQuartz® RR should only be applied to clean, dry, firm and well roughened surfaces. Remove all loose material and surface contamination From cracks and holes being repaired.

**Priming The Surface** - If desired a small amount of the DuraQuartz® RR mixed resin without the aggregate can be used as a primer to coat the edges of the concrete being repaired. Brush apply the mixed resin to the edges of the holes or cracks that will be filled with DuraQuartz® RR. Use only enough mixed resin to "wet" the surface; do not flood or pool the mixed resin. Use the rest of the mixed resin for mixing with the aggregate. Application of the DuraQuartz® RR should begin immediately after priming and should be completed within 15 minutes.

**Mixing & Application** - For your convenience, the DuraQuartz® RR Base, Activator and Aggregate have been supplied in precisely measured quantities to simplify mixing of full units. Should a small amount of material be required, measure out 2 parts Base and 1 parts Activator by volume (2:1, v/v), mix well and add up to 6.5 parts Aggregate.

To facilitate mixing of full units, a mechanical mixing device can be used. Combine the Base and Activator liquids in the plastic bucket and, with the mixer running, slowly add the Aggregate. Using all the Aggregate will yield a mortar-like paste; less Aggregate will result in a viscous fluid consistency. Apply the mixed DuraQuartz® RR to the prepared surface using a trowel, putty knife, or other appropriate tool, pressing well into the substrate to insure intimate contact with the substrate and to force out any air entrapped as a result of the mixing technique and/or device used.

**Cleaning Equipment** - Wipe excess material from tools immediately. Use denatured alcohol or similar solvent as needed.

**Health & Safety** - Every effort is made to insure that ENECON® products are as simple and safe to use as possible. Normal industry standards and practices for housekeeping, cleanliness and personal protection should be observed. Please refer to the detailed SAFETY DATA SHEETS (SDS) supplied with the material (also available on request) for more information.

**Technical Support** - The ENECON® engineering team is always available to provide technical support and assistance. For guidance on difficult application procedures or for answers to simple questions, call your local ENECON® Fluid Flow Systems Specialist or the ENECON® Engineering Center.

All information contained herein is based on long term testing in our laboratories as well as practical field experience and is believed to be reliable and accurate. No condition or warranty is given covering the results from use of our products in any particular case, whether the purpose is disclosed or not, and we cannot accept liability if the desired results are not obtained.

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