

Integra Adhesives®

REINFORCING NATURAL STONE

Our two-component acrylic adhesive is specifically formulated to provide the ultimate bond with reinforcing rods for natural stone. Increase flexural strength more than 10x on many stones!



RODDING BONDER RD50

- Fast! <20 minute cure
- Increases stone strength up to 10x
- Thixotropic formula prevents mess
- Easy clean up
- No handmixing
- ~0 waste
- Works with Fiberglass and Steel
- Flat or round rod

RODDING BONDER RD50

Fast setting, high strength adhesive developed specifically for reinforcing stone

APPLICATIONS

Granite
Marble
Onyx
Limestone
Quartzite

ADVANTAGES

Auto-dispense system
Eliminates hand-mixing
High strength
Fast Curing
Working time 5-10 minutes
Fixture time 15-20 minutes
Easy Cleanup
Low Waste
Indoor Air Quality Certified
LEED Certification Compliant

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Integra
Adhesives

Product Overview

Rodding Bonder RD50 is a methacrylate based adhesive packaged in a 500ml dual cartridge designed to increase strength, cut costs, reduce waste and save time when embedding fiberglass or steel reinforcement rods in counter-tops. Testing shows that the process can improve load bearing by > 10x!

Rodding Bonder provides excellent bond strength and flow properties for the different rod options available to fabricators: Steel and Fiberglass rods are both compatible.

Rodding Bonder uses a measure-mix-dispense system (cartridge delivery) that combines the strength of an epoxy with the cure speed and consistency of an acrylic to combat waste, save time and reduce overall costs. Additional properties include a 15 – 20 minute cure and low waste static mixers.

Characteristics

Appearance — Component A	White viscous liquid
Appearance — Component B	Clear to white viscous liquid
Viscosity A	45,000 – 160,000 CPS
Viscosity B	20,000 – 25,000 CPS (Gel when mixed)
Density	1.30 g/L
Working Time	5 – 10 minutes
Fixture Time	15 – 20 minutes
Bond Strength (Quartz) — Flexural	3000 – 4000 PSI (210 – 281 kg/cm ²)
Shelf Life — Component A	1 year
Shelf Life — Component B	1 year
Mix Ratio A:B (Volume)	10:1 optimum

Examples of the benefits of reinforcing low strength granite	Flexural Strength	Sample Dimensions	Moisture
Un-reinforced granite 50mm(2") x 1000mm(40") strip	<800 PSI <5500 KPA	L: 1m (40") W: 5.5cm (2.19") D: 3cm (1.19")	N/A
Reinforced granite: DRY 50mm(2") x 1000mm(40") strip with one 2.5x10mm fiberglass rod	6600PSI 45000KPA	L: 1m (40") W: 5.5cm (2.19") D: 3cm (1.19")	Cut wet, blown dry to remove most water
Reinforced granite: DAMP 50mm(2") x 1000mm(40") strip with one 2.5x10mm fiberglass rod	3200PSI 22000KPA	L: 1m (40") W: 5.5cm (2.19") D: 3cm (1.19")	Cut wet, blown to remove large droplets of water. Surface saturated with water.

Dispensing / Packaging

Rodding Bonder RD50 is packaged in dual component cartridges as part of a meter/mix/dispense system utilising specialised dispensing guns and static mixing tips. Rodding Bonder is available in 500ml cartridges.

Shipping Options

Integra's adhesives are stocked at multiple locations across North America and Europe. A 1–2 day lead time can generally be expected for ground delivery within the continental US and Canada.