

Injection Adhesives

AU ONLY



ISNE RE0502J600 RE0502EF600

Key Features

- Pure Epoxy
- High bond Strength
- Submerged Application
- Tolerant of various hole conditions
- Quick 3 hour loading (RE0502)



Reo 502™ is a high performance pure epoxy that provides high load capacity combined with tolerance to adverse anchoring environments including core drilled holes, oversized diameters, flooded conditions and underwater.

One product for all anchoring environments simplifies product selection.

Reo 502™ is available in two versions; Reo 502™ EF for easy dispensing in cold conditions and standard Reo 502™ with quick 3 hour setting.

Advantages

- High load performance
- Versatile Pure Epoxy Chemistry
- Suitable for Flooded Holes, Oversized diameter, core drilled holes and underwater
- Quick 3 hour loading time @ 20°C (Reo 502™)
- Easy cold weather dispensing epoxy (Reo 502™ EF)
- Long working time for deep embedment
- Certified for repeated loading for 3 million cycles
- Electrical insulator (non-conductive)

Typical Applications

- Post - installed reinforcing bar connections for concrete walls, columns and beams
- Structural steel connections
- Timber frame tie down per AS1684.2-1999
- Starter Bars

Approvals

Certification	Approval Number / Report Number
Repeated load AS1085.19	3 million Cycles

LOAD RANKING*

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DRY: ★★ ★★ ★★ ★★

FLOODED: ★★ ★★ ★★ ★★

Rebar Size Range - ϕ 10 to ϕ 40

Threaded Bar Size Range - M8 to M36

Installation Temperature Range

REO502™

Adhesive	Substrate
20°C to 40°C	5°C to 40°C

Installation Temperature Range

REO502™EF

Adhesive	Substrate
5°C to 40°C	5°C to 30°C

Anchoring Environments

Hole Condition	
Anchoring Environment	<p>Dynamic loading</p>
Substrates	<p>Solid Concrete</p>
Operating Temperature Range	<p>Long Term:</p> <p>-40°C</p> <p>50°C</p> <p>Max Short Term:</p> <p>80°C</p>

Working and Loading Times

Substrate Temperature	Reo 502™			Reo 502™ EF		
	Working Time	Time to Full Load Capacity		Working Time	Time to Full Load Capacity	
		Dry and Damp	Flooded and Underwater		Dry and Damp	Flooded and Underwater
5°C	-	-	-	32 min	96 hours	240 hours
10°C	27 min	8 hours	48 hours	22 min	48 hours	160 hours
15°C	23 min	5 hours	32 hours	17 min	22 hours	115 hours
20°C	20 min	3 hours	24 hours	13 min	12 hours	85 hours
25°C	12 min	2.5 hours	15 hours	-	-	-
30°C	8.5 min	2 hours	12 hours	8.5 min	6 hours	48 hours

Range and Order Numbers

Pack Size	Order Number	Box Qty	Applicator	Mixing Nozzle
600 ml	REO502J600	15	CUAP/CUAR18	ISNE
600 ml	REO502EF600	15	CUAP/CUAR18	ISNE

For drilling dimensions and full Installation details, refer page 34

*NOTE: Load Index is the relative load compared with other Chemical Anchoring products in the Ramset range and is intended to assist with product selection. Load Index is not intended to assist with load design. For load capacity and design information, consult the Ramset Specifiers Resource Book available from Ramset in hard copy or download from the website