



DESCRIPTION

CREST RP465 is a high performance hydrophobic structural MDI Rigid Polyurethane injection grout, reacting into a hard foam or very hard plastic. Material is designed specifically for controlled slab-jacking and soil stabilization for improving load bearing capacity of loose soil, filling of large voids, cracks and fissures. RP465 is pumped utilizing a heated plural injection pump with appropriate mixing head and injection ports.

Areas of use include concrete roads & highways, bridge approach slabs, concrete factory & warehouse slabs, bunded tanks, parking areas, airport runways etc. Filling voids behind pipes, manholes and general applications where traditional underpinning is obtrusive and not practical.

FEATURES

- Phthalates free resins.
- Solvent free
- Fast or slow reactions possible.
- Mixing 1:1 by volume.
- Low cost & rapid lifting of concrete structures/slabs.
- Can be pumped in dry or wet conditions.
- Environmentally friendly.
- Rapid strength gain. Trafficable in 20 minutes.
- Expands 20-30 times unconfined.
- High strength & non shrink.
- Bonds with soil and concrete.
- Stops repeated water erosion.
- Viscosity adjusted for precision jacking control.

PROPERTIES & DATA

	POLYOL	ISOCYANATE
Appearance	Amber	Dark Brown
Viscosity	1500cps	345cps
SG	1.07	1.24
	MIXED MATERIALS	
Cream Time	10-12 seconds	
Gel Time	42-48 seconds	
Rise Time	89-95 seconds	
Free Rise Density	78kg/ m ³	



EQUIPMENT & CRITERIA

RP465 Rigid Polyurethane can only be injected using specialist contractors, utilising equipment approved by Crest Cormix. Electric and Hydraulic Plural component reactors, such as the following are accepted and approved machines;

- Graco Reactor Series 2 E-XP2
- Graco Reactor E-10HP
- Graco Reactor Series 1 & 2 H-XP2 & H-XP3



POWER

Supply and distribution must be sized according to the requirement of the machine and ancillary equipment used. Insufficient power and wide power fluctuations can cause reactors to shut down and display error codes, or worse damage electronics. Please consider other power tools being used such as lighting, fans and vacuums in addition to peak draw when items like compressors switch on/off. Operation manuals detail system requirements however, if in doubt contact your equipment supplier.

PACKAGING

400 Litre KITS (465kg)
200 Litre POLYOL PART B / 200 Litre ISO PART A

**STORAGE AND HANDLING**
PRECAUTIONS

When opening a container, care must be taken to release any internal pressure slowly. To prevent ingress of moisture, drums must be kept tightly sealed when not in use.

**HEALTH & SAFETY ADVICE**

Refer to CREST CORMIX Pty Ltd for safety data sheets, for both individual Part A & B components of this material. Avoid skin & eye contact. Wear rubber gloves and safety goggles. Hands should be cleaned with industrial cleaner followed by soap & water. Avoid breathing vapors use with adequate ventilation.

FOR CLEANUP/ & LINE FLUSH

Use: CREST (DBE) PU PURGE

QUALITY ASSURANCE

ISO 9001:2015

**Manufactured in Australia by:**

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Important Notice

CREST CORMIX recommend that users of this material read and consider this information carefully in the context of how the products will be handled and used in the workplace in conjunction with other products. While the information contained here is CREST CORMIX's best knowledge at the date of publication,

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