



## DATA SHEET NO. 3900-662

### REZI-WELD™ 3/2 Epoxy Grout-Patch Kit

#### DESCRIPTION

REZI-WELD 3/2 grout-patch is a moisture-insensitive, two-component epoxy kit for grouting, sealing base plates, and patching concrete. Part A, the specially formulated epoxy resin and selected, graded aggregates is premixed and packaged in an 18.93 litre (5 U.S. gallon) container. A drop-in tray is provided to hold the separately packaged Part B, or activator. This handy, unitized packaging provides its own mixing vessel. Just open the pail, remove the tray, add the activator to the premixed epoxy-aggregate compound and mix until ready to use. It's that easy. REZI-WELD 3/2 grout-patch offers a flowable viscosity for application versatility. It provides a 50 to 60 minute work life and offers high compressive strength. REZI-WELD 3/2 grout-patch resists many industrial chemicals, alkalis, oils, gasoline, most solvents, and some acids.

#### USES

REZI-WELD 3/2 grout-patch kit is ideal for a variety of construction grouting and patching repair projects. As an epoxy grout, it can be readily poured under base plates or used for anchoring bolts. When applied as a concrete patch, the patching mix serves as a brushed-on primer. The use of a finishing trowel completes the patching application while the primer is still tacky.

#### FEATURES/BENEFITS

- Ready-to-mix, pre-portioned, unitized package.
- Offers a moisture-insensitive, non-shrink, flowable-viscosity grout.
- Provides fast strength gain and high compressive strength with low heat development.
- Resists corrosion, many industrial chemicals, oils, alkalis, gasoline, some solvents, and acids.
- Allows up to 60 minutes of work life.
- Stress and impact resistant.

#### PACKAGING AND COVERAGE

18.93 litre (5 U.S. gallon) pail, which yields approximately 0.014 m<sup>3</sup> (0.5 ft.<sup>3</sup>) (3.75 U.S. gallons) of grout/patch when Part A and Part B are completely mixed together.

#### SHELF LIFE

Approximately two years in the original, unopened, container when stored in a dry environment between 4° - 32° C (40° - 90° F).

#### SPECIFICATIONS

- Agriculture and Agri-Food Canada accepted.
- Approved by the Ministry of Transportation, Quebec.

#### TECHNICAL DATA

<b>Compressive Strength</b> @ 23° C (73° F): (ASTM D 695)	
1 Day	55 MPa (8,000 psi)
3 Days	75 MPa (11,000 psi)
7 Days	89 MPa (13,000 psi)
<b>Colour</b>	Concrete Grey
<b>Flexural Strength @ 7 days</b> (ASTM D 790)	
28.05 MPa (4,065 psi)	
<b>Water Absorption</b> (ASTM D 570)	
Total Water Absorption, 24 hours	
0.09%	
<b>Bond Strength</b> (ASTM C 882 modified)	
7 Day Bond Strength to Concrete	
27.84 MPa (4,034 psi)	

\* All technical data is typical information, but may vary due to test methods, conditions and operators.

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## APPLICATION

**Surface Preparation ...** Mechanically abrade all surfaces to be bonded. All surfaces to be bonded must be free of standing water and completely clean of dirt, rust, curing compounds, grease, oil, paint, and unsound materials, which would prevent a solid bond. Vacuum or blow dust away with oil-free, compressed air. Smooth surfaces require abrasive blasting or other mechanical abrasion. Exposed steel surfaces should be abrasive blasted and vacuumed clean; if not possible, degrease the surface and use sandpaper or wire brush to reveal continuous, bright metal.

**Mixing ...** Mix only complete units. Condition all components to 15.6° to 29.4° C (60° to 85° F) for 24 hours prior to use. [For maximum flow characteristics, condition REZI-WELD 3/2 to 23.9° C (75° F), prior to use.] Pre-mix each component. Mechanically mix at a slow speed (600-900 rpm) using a drill and Jiffy® Blade or drum mixer for three minutes or until completely mixed while scraping the sides to ensure complete blending of components. The mixed product should be uniform grey in colour and not show streaks. Avoid air entrapment. Scrape the sides of the container to ensure complete blending of components. Pot life will decrease as the ambient temperature and/or mass size increases.

**Forming ...** The flowable consistency of REZI-WELD 3/2 requires that forms be used around the base plates to contain the grout/patch. Seal all forms to prevent the grout/patch from leaking. To prevent adhesion of the grout to the forms, apply a suitable bond breaker. To facilitate placement, allow for a 50.8 mm (2") formwork head.

**Patching ...** Prime prepared surface by brushing on an epoxy mix at a rate of 37.16 m/3.8 litre (400 ft.<sup>2</sup>/U.S. gallon). Place patching mix while primer is still tacky with trowel or vibrating screed. Strike off, level, and finish with a finishing trowel.

**Application Method ...** Avoid air entrapment by pouring the prepared grout into the forms from one or two sides. Maintain a liquid head to ensure complete contact with the base plate. Place enough material to allow the grout to rise slightly above the underside of the base plate. A 25.4 mm (1") minimum grout head is required.

**Cleanup ...** Tools and equipment should be cleaned immediately after application. Clean equipment away from heat, sparks, and open flame with toluene or xylene. Avoid breathing vapours or allowing epoxy-containing solvent to contact skin. Should skin contact occur, wash thoroughly with soap and water.

## PRECAUTIONS

Do not dilute. Addition of solvents will prevent proper curing. Surface temperatures must be between 4° - 32° C (40° - 90° F). As temperature decreases, flow will also decrease. Cold material may need to be pushed, rodded, or chained to achieve proper placement. Keep container tightly closed until ready for use.

## HEALTH AND SAFETY

Unused epoxy will generate excessive heat, especially in large quantities. Unused epoxy should be mixed with dry sand in a container to help lower the heat. Refer to Material Safety Data Sheet for complete health and safety information.

## MASTERFORMAT NUMBER AND TITLE

03 63 00 – Epoxy Grouting

## LEED INFORMATION

May help contribute to LEED credits:

- IEQ Credit 4.1: Low-Emitting Materials – Adhesives and Sealants
- MR Credit 4: Recycled Content
- MR Credit 5: Regional Materials

**For most current data sheet, further LEED information, and MSDS, visit [www.wrmeadows.com](http://www.wrmeadows.com).**

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