FARFAN & MENDES

A CROSBIE MEMBER COMPANY

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Technical Data Guide

MASTER® BUILDERS SOLUTIONS

3 | 03 62 13
Non-Metallic
Non-Shrink Grouting

MasterFlow® 100

General construction, mineral-aggregate non-shrink grout

FORMERLY CONSTRUCTION GROUT

PACKAGING
50 lb (22.6 kg) multi-wall paper bags
3,000 lb (1,360.7 kg) bulk bags

YIELD
One 50 lb (22.6 kg) bag of MasterFlow 100 mixed with 1.07 gallons (4.03 L) of water (flowable mix) provides approximately 0.45 ft^3 (0.013 m^3) of mixed grout.

Note: The water requirement may vary due to mixing efficiency, temperature, and other variables.

COLOR
Concrete gray when cured

STORAGE
Store in unopened containers in a cool, clean, dry area

SHELF LIFE
50 LB BAG: 12 months when properly stored
BULK BAG: 3 months when properly stored

VOC CONTENT
0 g/L less water and exempt solvents

DESCRIPTION
MasterFlow 100 is a non-catalyzed, multi-purpose construction grout containing mineral aggregate.

PRODUCT HIGHLIGHTS
- Concrete gray color (after curing) blends in with surrounding concrete
- No accelerators, including chlorides or other similar salts, will not contribute to corrosion of reinforcing steel
- Can be extended with clean, well-graded coarse aggregate to fill large voids
- Hardens free of bleeding when properly placed and yields a high effective bearing area for proper support and load transfer

APPLICATIONS
- Interior and exterior
- Normal loads for columns and baseplates
- Bedding grout for precast panels
- Repairing of cavities resulting from ineffective concrete consolidation
- Caulking concrete pipe
- Backfilling, underpinning foundations, and pressure grouting of slabs needing alignment
- General construction applications
- Fluid to damp pack applications

SUBSTRATES
- Concrete

HOW TO APPLY

SURFACE PREPARATION
1. Substrate must be structurally sound and fully cured (28 days).
2. The surface to be grouted must be clean, SSD, strong, and roughened to a CSP of 5 – 9 following ICRI Guideline 310.2 to permit proper bond.
3. When dynamic, shear or tensile forces are anticipated, concrete surfaces should be chipped with a “chisel-point” hammer, to a roughness of (plus or minus) ⅜" (10 mm). Verify the absence of bruising following ICRI Guideline 210.3.
4. Concrete surfaces should be saturated (ponded) with clean water for 24 hours just before grouting.
5. All freestanding water must be removed from the foundation and bolt holes immediately before grouting.
6. Anchor bolt holes must be grouted and sufficiently set before the major portion of the grout is placed.
7. Shade the foundation from sunlight 24 hours before and 24 hours after grouting.

Technical Data

Composition

MasterFlow 100 is a non-catalyzed hydraulic cement-based grout containing mineral aggregate.

Compliances

- ASTM C 1107

Typical Properties

Mixed Grout Data* (Flowable Mix)

PROPERTY	VALUE
Approximate Water, gal (L)	1.07 (4.03)
Initial set, hrs, at 70° F (21° C)	6
Final set, hrs, at 70° F (21° C)	8

*At a constant percent of water, consistency will vary with temperature. Final set takes place in approximately 8 hours at a flowable consistency and 70° F (21° C).

Test Data

PROPERTY	RESULTS			TEST METHOD
Compressive strength, psi (MPa)				ASTM C 109, as modified by ASTM C 1107
		Consistency		
	Plastic[1]	**Flowable[2]**	**Fluid[3]**	
1 day	3,500 (24.0)	2,000 (13.8)	1,500 (10.3)	
3 days	6,000 (41.4)	5,000 (34.5)	3,500 (24.1)	
7 days	8,000 (55.2)	6,000 (41.4)	4,500 (31.0)	
28 days	10,000 (68.9)	7,000 (48.0)	5,500 (37.9)	
Volume Change, % Flowable				ASTM C 1090
	Change	**Requirement of ASTM C 1107**		
1 day	0.01	0.0 – 0.3		
3 days	0.01	0.0 – 0.3		
7 days	0.01	0.0 – 0.3		
28 days	0.01	0.0 – 0.3		

[1] 100 – 125% flow on flow table per ASTM C 1437
[2] 125 – 145% flow on flow table per ASTM C 1437
[3] 20 – 30 seconds through flow cone per ASTM C 939
This data was developed under controlled laboratory conditions. Expect reasonable variations.

FORMING

1. Forms should be liquid tight and nonabsorbent. Seal forms with putty, sealant, caulk or polyurethane foam.
2. Moderately sized equipment should utilize a head form sloped at 45 degrees to enhance the grout placement. A moveable head box may provide additional head at minimum cost.
3. Side and end forms should be a minimum 1" (25 mm) distant horizontally from the object grouted to permit expulsion of air and any remaining saturation water as the grout is placed.
4. Leave a minimum of 2" between the bearing plate and the form to allow for ease of placement.
5. Use sufficient bracing to prevent the grout from leaking or moving.
6. Eliminate large, non-supported grout areas wherever possible.
7. Extend forms a minimum of 1" (25 mm) higher than the bottom of the equipment being grouted.
8. Expansion joints may be necessary for both indoor and outdoor installation. Consult your local Master Builders Solutions field representative for suggestions and recommendations.

MIXING

By using the minimum amount of water to provide the desired workability, maximum strength will be achieved. Whenever possible, mix the grout with a horizontal shaft mortar mixer or an electric drill with a paddle. Put the measured amount of potable water into the mixer, add grout, then mix till a uniform consistency is attained. Do not use water in an amount or a temperature that will cause bleeding or segregation.

Note: The water requirement may vary due to mixing efficiency, temperature, and other variables.

APPLICATION

1. Place MasterFlow 100 in a continuous pour. Discard grout that becomes unworkable. Place grout from one side to avoid entrapment of air. Make sure that the grout fills the entire space being grouted and remains in contact with the plate throughout the grouting process. Straps may be used to move the grout to ensure the entire space is filled. DO NOT VIBRATE.
2. Immediately after placement, trim the surfaces with a trowel and cover the exposed grout with clean wet rags (not burlap). Maintain moisture for 5 – 6 hours.
3. The grout should offer stiff resistance to penetration with a pointed mason's trowel before the grout forms are removed or excessive grout is cut back.
4. To further minimize the potential moisture loss within the grout, cure all exposed grout with an approved membrane curing compound (compliant with ASTM C 309 or preferably ASTM C 1315) immediately after the wet rags are removed.
5. For placements greater than 6" (152 mm) in depth, product should be extended with aggregate. Aggregate extension is dependent upon the grout type, placement, application requirements, and is typically required for placement depths beyond the limitation of the neat material. The aggregate should be washed, graded, saturated, surface-dry (SSD), high-density, free from deleterious materials, and comply with the requirements of ASTM C 33. Consult Master Builders Solutions Technical Service for additional guidance.

FOR BEST PERFORMANCE

- Contact your local representative for a pre-job conference to plan the installation.
- MasterFlow 100 should be placed at a 50 to 90° F (10 to 32° C) application temperature range. Use cold and hot weather concreting practices (ACI 305 and ACI 306) when grouting within 10° F (6° C) of these minimum and maximum temperature ranges.
- Beveling of grout shoulders will reduce cracking.
- Minimum placement depth is 1" (25 mm).
- Do not use MasterFlow 100 where it will come in contact with steel designed for stresses above 80,000 psi (550 MPa).
- Do not add plasticizers, accelerators, retarders, or other additives. Where precision alignment and severe service, such as heavy loading, rolling, or impact resistance are required, use metallic-reinforced, non-catalyzed MasterFlow 885 grout. If the amount of impact resistance needed is not great enough to require metallic reinforcement, use natural-aggregate, MasterFlow 928.
- Make certain the most current versions of product data sheet and SDS are being used; visit www.master-builders-solutions.com/en-us to verify the most current versions.
- Proper application is the responsibility of the user. Field visits by Master Builders Solutions personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

HEALTH, SAFETY AND ENVIRONMENTAL

Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting www.master-builders-solutions.com/en-us, e-mailing your request to mbsbscst@mbcc-group.com or calling 1(800)433-9517. Use only as directed.

IN CASE OF EMERGENCY: Call CHEMTEL +1 (800) 255-3924 or if outside the US or Canada, +1 (813) 248-0585.

LIMITED WARRANTY NOTICE

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PRODUCT DATA

MasterFormat: 03 01 00

W. R. MEADOWS SEALTIGHT

NO. 390

REZI-WELD™ 1000

SEPTEMBER 2014
(Supersedes March 2007)

Multi-Purpose, Medium Viscosity Construction Epoxy

DESCRIPTION

REZI-WELD 1000 is a medium-viscosity, two-component, construction-grade structural epoxy adhesive. It is moisture-insensitive and resistant to many chemicals. High modulus, high strength REZI-WELD 1000 is color coded to assure proper mixing and is self-leveling and easy to apply.

USES

As a neat mix, REZI-WELD 1000 is used to bond hardened concrete to fresh or hardened concrete. It can also be used to bond metals and other materials to hardened concrete. REZI-WELD 1000 is also used to secure metal anchors, bolts, rebar, and dowels in concrete. Mixed with sand or aggregates, REZI-WELD 1000 may be used to patch spalls or defects in concrete. A thin film coating sprinkled with sand or grit becomes a durable, non-skid interior topping.

FEATURES/BENEFITS

- Offers high modulus, high strength, and self-leveling characteristics.
- Resists many industrial chemicals and is moisture insensitive.
- Easy to apply … may be sprayed.
- Furnished in unique, color-coded, unitized, pre-measured packaging to assure proper mixing … eliminates mishandling and mismatching components.
- May be extended with sand or aggregates to patch minor spalls and defects in concrete.
- Provides a non-skid interior topping when sprinkled with sand or grit.

PACKAGING

1 Quart (.95 Liter) Units
1 Gallon (3.79 Liter) Units
2 Gallon (7.58 Liter) Units
10 Gallon (37.9 Liter) Units

COVERAGE

One gallon (3.79 L) neat yields 231 cubic inches (3785 cm^3).

SHELF LIFE

One year when stored in unopened containers in dry conditions. Store between 40° - 95° F (4.4° - 35° C). Do not store product outside.

SPECIFICATIONS

- AASHTO M 235, Type I, II, IV & V, Grade 2, Classes B & C
- ASTM C 881, Type I, II, IV & V, Grade 2, Classes B & C
- Various Departments of Transportation Approvals

TECHNICAL DATA*

The following physical properties were determined at a 1:1 mix ratio of A: B by volume, cured at 77° F (25° C) & 50% RH

Test Method	Actual	Required per ASTM C 881-99, TYPE IV
Gel Time Per ASTM C 881[1]	37 minutes	Minimum 30 minutes
Viscosity Per ASTM D 2393 Mixed	3,500 cps	Maximum 10,000 cps
Compressive Strength Per ASTM D 695 @ 1 day @ 7 days[1]	10,000 psi (70 MPa) 12,500 psi (79 MPa)	Not Required Minimum 10,000 psi (70 MPa)
Compressive Modulus Per ASTM D 695-96[1] @ 7 Days	530,000 psi (3655 MPa)	Minimum 200,000 psi (1,400 MPa)
Slant Shear Bond Strength Per ASTM C 882[1], Moist Cured @ 2 days (Old to Old Concrete) @ 14 days (Old to Old Concrete) @ 14 days (New to Old Concrete)	1,250 psi (8.6 MPa) 1,900 psi (13.1 MPa) 2,100 psi (14.5 MPa)	Minimum 1,000 psi (7.0 MPa) Minimum 1,500 psi (10.0 MPa) Minimum 1,500 psi (10.0 MPa)
Tensile Strength Per ASTM D 638[1] @ 7 days	7,250 psi (51 MPa)	Minimum 7,000 psi (48 MPa)
Tensile Elongation Per ASTM D 638[1] @ 7 days	1.5%	Minimum 1%
Heat Deflection Temperature Per ASTM D 648[1] @ 7 days	135° F (57° C)	Minimum 120° F (50° C)
Linear Coefficient of Shrinkage Per ASTM D 2566[1] @ 7 days	0.002	Maximum 0.005
Water Absorption Per ASTM D 570[1] @ 7 Days	0.41% w/w	Maximum 1.0% w/w

Colors: Part A … White
Part B … Black

Pot Life: 35 - 45 minutes @ 77° F (25° C)
Cure Time: 7 days @ 77° F (25° C)

Mix ratio: 1:1 by volume

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

[1]Independent reports are available upon request.

CONTINUED ON REVERSE SIDE…

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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 sanding or other mechanical abrasion. Exposed steel surfaces should be sandblasted and vacuumed clean; if not possible, degrease the surface and use sandpaper or a wire brush to reveal continuous, bright metal.

Mixing … Condition all components to 60 - 85° F (15.6° - 29.4° C) for 24 hours prior to use. Use the double-boiler method or store material in a warm room prior to application. Pre-mix each component. Mechanically mix at 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 gray in color and not show streaks. Avoid air entrapment. Mix only very small quantities by hand for a minimum of three minutes or until sufficiently blended together. Scrape sides of the container to ensure complete blending of the components. Mix only the amount of epoxy that can be applied within the product's pot life. Pot life will decrease as the ambient temperature and/or mass size increases.

Bonding Fresh Concrete to Hardened Concrete Or Hardened Concrete to Hardened Concrete … Use a stiff masonry brush or airless spray equipment to apply a layer of mixed epoxy to concrete surfaces. Application rate should be 85 - 100 ft.^{2}/gal. (2.09 – 2.45 m²/L) (20 mils). Place fresh or hardened concrete to mixed REZI-WELD 1000 prior to epoxy adhesive becoming tack-free. If REZI-WELD 1000 becomes tack-free prior to application of fresh or hardened concrete, consult a W. R. MEADOWS representative. NOTE: Cured concrete is defined as concrete that has achieved a minimum 80% of designed compressive strength.

Other Bonding … To bond metal to concrete, apply a layer of the adhesive at 85-100 ft.^{2}/gal. (2.09 – 2.45 m²/L) (20 mils) to the prepared surfaces and join immediately. Clamping pressure beyond what will hold parts in place is not necessary.

Aggregates for Epoxy-Resin Mortars … Combine clean, dry aggregate to freshly mixed epoxy in ratio of one part epoxy to 1 - 4 parts of dry, clean, graded aggregate by volume. A rotary drum mixer with a stationary paddle is recommended for blending aggregate and epoxy. Apply a thin coating of aggregate-free epoxy to the prepared surface as a primer. Patch thickness should not exceed 2" (50.8 mm) per lift.

Metal Anchors in Preformed Holes in Concrete … Preformed holes should be approximately ¼" (6.35 mm) larger in diameter than the anchor bolt diameter. The depth of the hole should be 10 - 15 times the bolt diameter. Fill the hole from the bottom up, about half way, with mixed epoxy and place the bolt, dowel or rebar. Top off with more epoxy and finish. All anchoring or doweling configurations must be approved or designed by an engineer.

Interior Non-Skid Topping … Apply mixed epoxy at a rate not to exceed 80 ft.^{2}/gal. (1.97 m²/L). Spread sand thinly over wet epoxy and embed the grains with a mohair roller. For heavy coverage, apply a layer of sand or grit over the epoxy and allow to set. Blow excess sand away. NOTE: REZI-WELD 1000 IS NOT TO BE USED AS A FLOOR COVERING OR PROTECTIVE TREATMENT.

CLEANUP

Clean tools and equipment immediately with toluene or xylene. Clean equipment away from all ignition sources and avoid breathing vapors or allowing epoxy-containing solvent to contact skin. Should this material come in contact with the skin, wash thoroughly with soap and water, not solvent.

PRECAUTIONS

DO NOT DILUTE. Mix complete units only. Not recommended for use when the concrete temperature has been below 40° F (4° C) for the past 24 hours. Do not use to seal cracks under hydrostatic pressure. Do not warm epoxy over direct heat.

HEALTH AND SAFETY

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

LEED INFORMATION

May help contribute to LEED credits:

- IEQ Credit 4.1: Low-Emitting Materials – Adhesives and Sealants
- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials

For most recent data sheet, further LEED information, and SDS, visit www.wrmeadows.com.

LIMITED WARRANTY

W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. Read complete warranty. Copy furnished upon request.

Disclaimer

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PRODUCT DATA

NO. 391

MasterFormat:
03 01 00
03 63 00

W. R. MEADOWS
SEALTIGHT

NOVEMBER 2014
(Supersedes March 2007)

REZI-WELD™ GEL PASTE

Gel Consistency-Thixotrophic, Multi-Purpose Construction Epoxy

DESCRIPTION

REZI-WELD GEL PASTE is a high viscosity, rapid setting, thixotrophic, structural, epoxy-based, chemical anchoring/bonding adhesive and injection resin. REZI-WELD GEL PASTE provides high mechanical properties and bond strength to concrete and various other substrates. REZI-WELD GEL PASTE is a two-component, moisture-insensitive construction epoxy, which can be troweled, brushed, injected, or pumped.

USES

REZI-WELD GEL PASTE is an easy-to-mix, easy-to-apply paste ideal for filling cracks, anchoring, doweling, and making small patches and general repairs in horizontal, vertical, and overhead concrete surfaces. It is also suitable for surface sealing prior to pressure injection. When used as an adhesive, REZI-WELD GEL PASTE fills all voids between surfaces to be bonded.

FEATURES/BENEFITS

- Patches and repairs vertical or overhead concrete surfaces.
- Fills all gaps between surfaces to be bonded, unlike liquid epoxy adhesives, which might run out and reduce the bond area.
- Easy to mix and apply with its trowel-grade consistency.
- Offers high viscosity, high modulus, and high strength characteristics.
- Color-coded, innovative, unitized bulk packaging assures proper mixing of two components.
- Excellent bond strength suitable for cap sealing.
- Available in side-by-side and universal cartridges.

PACKAGING

1 Quart (.95 Liter) Units
1 Gallon (3.79 Liter) Units
2 Gallon (7.58 Liter) Units
10 Gallon (37.85 Liter) Unit

COVERAGE

One gallon (3.79 L) neat yields 231 cubic inches (3785 cm^3).

SHELF LIFE

One year when stored in unopened containers in dry conditions. Store between 40° - 95° F (4.4° - 35° C). Do not store product outside.

SPECIFICATIONS

- AASHTO M 235, Type I, II, IV & V, Grade 3, Classes B & C
- ASTM C 881, Type I, II, IV & V, Grade 3, Classes B & C
- Various Departments of Transportation Approvals

TECHNICAL DATA

The following physical properties were determined at a 1:1 mix ratio of A:B by volume, cured at 77° F (25° C) & 50% RH.

Test Method	Actual	Required per ASTM C 881, TYPE IV
Gel Time Per ASTM C 881	45 minutes	Minimum 30 minutes
Viscosity Per ASTM C 881 Mixed	1/2" Bead-No Sag	Minimum 1/4" Bead-No Sag
Compressive Strength Per ASTM D 695 @ 1 day @ 7 days	9,000 psi (62 MPa) 11,500 psi (79 MPa)	Not Required Minimum 10,000 psi (70 MPa)
Compressive Modulus Per ASTM D 695 @ 7 Days	400,000 psi (2758 MPa)	Minimum 200,000 psi (1,400 MPa)
Slant Shear Bond Strength Per ASTM C 882, Moist Cured @ 2 days (Old to Old Concrete) @ 14 days (Old to Old Concrete) @ 14 days (New to Old Concrete)	1,500 psi (10 MPa) 2,000 psi (14 MPa) 2,500 psi (17 MPa)	Minimum 1,000 psi (7.0 MPa) Minimum 1,500 psi (10.0 MPa) Minimum 1,500 psi (10.0 MPa)
Tensile Elongation Per ASTM D 638 @ 7 days	1.5%	Minimum 1%
Heat Deflection Temperature Per ASTM D 648 @ 7 days	125° F (53° C)	Minimum 120° F (50° C)
Linear Coefficient of Shrinkage Per ASTM D 2566 @ 7 days	0.003	Maximum 0.005
Water Absorption Per ASTM D 570 @ 7 Days	0.51% w/w	Maximum 1.0% w/w

Color: Part A …White Pot Life: 45 minutes @ 77° F (25° C)
Part B … Black Cure time: 7 days @ 77° F (25° C)
Mix Ratio: 1:1 by volume
All technical data is typical information, but may vary due to testing methods, conditions, and operators.

CONTINUED ON REVERSE SIDE…

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APPLICATION

Surface Preparation… Mechanically roughen or abrasive blast concrete substrate. Remove all unsound concrete and provide a profiled surface. Substrate must be structurally sound, dust-free, and free of grease, oil, dirt, curing compounds, release agents, or any other surface or penetrated contaminants, coatings, sealers, or similar that will adversely affect bond. Sanding, acid etching, cup-grinding, or wire-abrading are not approved concrete surface preparation methods. Vacuum or blow away dust with oil-free compressed air.

Smooth surfaces, such as wood, require sanding or other mechanical abrasion. Exposed steel surfaces should be sandblasted and vacuumed clean . . . if not possible, degrease the surface and use sandpaper or a wire brush to reveal continuous, bright metal.

Mixing (Bulk Units)…Condition all components to above 65º F (18.3° C) for 24 hours prior to use. Use the double-boiler method or store material in a warm room for 24 hours prior to application. Pre-mix each component. Mechanically mix at 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 gray in color and not show streaks. Avoid air entrapment. Mix only very small quantities by hand for a minimum of three minutes and uniform gray in color. Scrape the sides of the container to ensure complete blending of the components. Mix only the amount of epoxy that can be applied within the product's pot life. Pot life will decrease as the ambient temperature and/or mass size increases.

Metal Anchors in Preformed Holes in Concrete … Preformed holes should be approximately 1/8" (3.175 mm) larger in diameter than the anchor bolt diameter. The depth of the hole should be 10-15 times the bolt diameter. Fill the hole from the bottom up, about half way, with mixed epoxy and place the bolt, dowel, or rebar. Top off with more epoxy and finish. All anchoring and doweling configurations must be approved and/or designed by an engineer.

Cracks in Vertical or Overhead Structures … For non-moving cracks and joints, use a trowel to apply the paste full depth and strike off flush at the surface in a single pass. For structural crack injection repairs, use a dual-component gel pump. REZI-WELD GEL PASTE is not recommended for overhead applications.

Patches in Concrete Structures … REZI-WELD GEL PASTE makes a high-strength material for patching, topping, grouting, and repairing spalls and other defects in concrete. Average thickness of the patch or topping should be no greater than ¼" to ½" (6.35 to 12.7 mm) per lift, not to exceed a total depth of 1 ½" (38 mm).

Surface Sealing … Apply mixed epoxy over entire length of crack to be pressure injected. Ensure complete coverage to avoid leaking. Adjacent concrete surfaces must be mechanically abraded to ensure a proper bond. Allow for suitable cure time prior to injecting.

Bonding Fresh Concrete to Hardened Concrete or Hardened Concrete to Hardened Concrete … Use a stiff masonry brush to apply a layer of mixed epoxy to concrete surfaces. Application rate should be 85-100 sq. ft./gal. Place fresh or hardened concrete to mixed REZI-WELD GEL PASTE prior to epoxy becoming tack-free. If REZI-WELD GEL PASTE becomes tack-free prior to application of fresh or hardened concrete, consult a W. R. MEADOWS representative.

Other Bonding … To bond metal to concrete, apply a layer of the adhesive [at 85-100 sq. ft./gal. (20 mils)] to the prepared surface and join immediately. Clamping pressure, beyond what will hold parts in place, is not necessary.

Cleanup … Clean tools and equipment immediately with toluene or xylene. Clean equipment away from all ignition sources.

PRECAUTIONS

Failure to follow all industry standard practices, such as the American Concrete Institute (ACI), will compromise the performance of REZI-WELD GEL PASTE. Not intended for submerged or continuously saturated conditions. High ambient (air), product, and substrate temperatures will decrease working time. Overhead applications must be approved and/or designed by a professional engineer to ensure durability and long term bonding/anchoring. Creep and service temperature must be considered in structural applications. Cold ambient (air), product, and/or substrate temperature will increase working, cure, and bolt-up time. This data sheet does not supersede engineering or architectural recommendations or drawings. A professional engineer must determine suitability of REZI-WELD GEL PASTE for anchoring, doweling, or similar applications. This is not a standalone engineering document. DO NOT DILUTE. Mix complete units only. Not recommended for use when the ambient and substrate temperature is below 40° F (4° C) for the past 24 hours or when rain is imminent. Do not seal cracks under hydrostatic pressure. Do not warm epoxy over direct heat.

HEALTH AND SAFETY

Avoid breathing vapors or allowing epoxy-containing solvent to contact skin. Should this material come in contact with the skin, wash thoroughly with soap and water, not solvent. Unused epoxy will generate excessive heat, especially in large quantities. Unused epoxy should be mixed with dry sand in the container to help lower heat. Refer to Safety Data Sheet for complete health and safety information.

LEED INFORMATION

May help contribute to LEED credits:

- IEQ Credit 4.1: Low-Emitting Materials – Adhesives and Sealants
- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials

For most current data sheet, further LEED information, and SDS, visit www.wrmeadows.com.

LIMITED WARRANTY

W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. Read complete warranty. Copy furnished upon request.

Disclaimer

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. W. R. MEADOWS, INC. cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As W. R. MEADOWS, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.

