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(Supersedes April 2004)

## REZI-WELD™ FLEX

### Semi-Rigid, Flexible Epoxy Joint Filler

#### DESCRIPTION

REZI-WELD FLEX is a gray, two-part, pourable consistency, premium-grade, moisture-insensitive, epoxy joint filler formulation. When cured, it is semi-rigid, with a Shore D Hardness of 60.

#### USES

REZI-WELD FLEX was developed for use as a joint filler for saw cuts and construction joints in interior concrete floors subject to load bearing, wear or impact conditions, such as warehouse and industrial plants. These are floors that are typically subjected to hard-wheeled vehicles (such as forklifts)

#### FEATURES/BENEFITS

- Fast-setting, pourable and self-leveling; ideal for saw cut joints.
- As a semi-rigid filler, protects slab edges from spalling, yet allows sufficient flexibility for interior slabs.

#### LINEAL FEET PER UNIT

Joint Depth	Joint Width	
	1/8"	1/4"
1"	154	102
1 1/4"	123	82
1 1/2"	102	68
1 3/4"	88	58
2"	77	51

#### LINEAL FEET PER UNIT

Joint Depth	Joint Width	
	3 mm	6 mm
25 mm	50 meters	25 meters
32 mm	39 meters	20 meters
38 mm	33 meters	17 meters
44 mm	29 meters	14 meters
51 mm	25 meters	12 meters

#### PACKAGING

1 Gallon (3.79 Liter) Units  
10 Gallon (37.85 Liter) Units

#### COVERAGE

231 cu. in. (3785 cm<sup>3</sup>) per 1 gal. unit

#### TECHNICAL DATA

Typical Physical Property	Test Method	ACI Report 302.1	Typical Value
Solids % by weight	ASTM D 1259	100%, min.	100%
Mix Ratio (A:B)			1:1
Color (A & B mixed)	by volume		Gray
Gray	visual		Pourable
Consistency	Appearance		20
Pourable			3.5
Pot Life	ASTM C 881		290
(1 gal. unit), minutes			60
20 mins.	ASTM C 879		95
Thin film			660 PSI
tack-free time, hours	ASTM D 5329		770 PSI
3.5 hrs.		50, min.	72%
Tensile adhesion to			53%
concrete at 3 days:			0.56%
290 PSI	ASTM D 2240		Negligible
75° F (24° C), PSI			
Hardness,	ASTM D 638		
Shore D (7 days)			
Shore A (7 days)			
95	ASTM D 638		
Tensile strength:		6%, min.	
75° F (24° C) (3 days), PSI			
660 PSI	ASTM D 570		
75° F (24° C) (7 days), PSI			
770 PSI			
Elongation:	ASTM D 2566		
75° F (24° C) (3 days), %			
72%			
75° F (24° C) (7 days), %			
53%			
Water Absorption:			
75° F (24° C) (24 hrs),			
0.56%			
% by weight			
Shrinkage			

Color (Mixed): Gray

Shelf Life (Typical): 2 years (in unopened, undamaged container)

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

CONTINUED ON THE REVERSE SIDE...

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## APPLICATION

**Joint Preparation and Design** ... Joints must be level, clean, and free of frost and standing water. Remove curing compounds, form release agents, old sealant, and/or contaminants from joint faces by sandblasting or mechanical abrading. Blow any dust, dirt, and laitance out of the joint with oil-free compressed air prior to application. To prevent run out from cracks in the bottom of joints, apply a small amount of fine dry sand. Install full depth. Do not use with soft backer rod. Tape joint sides to allow for easy removal of overfill.

Joint frequency, width, and depth shall be as specified by the design engineer. It is suggested that the width of a typical saw cut shall be 1/4" (6.4 mm) maximum. The suggested depth of the saw cut should be 25% of the slab thickness, but no less than 1" (25.4 mm) in depth.

**Mixing**... Condition all components to 60-85° F for 24 hours prior to use. Pre-mix each component. Mechanically mix at slow speed (600-900 rpm) using a drill and Jiffy® Blade or drum mixer for three (3) 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 (3) minutes or until sufficiently blended together using the supplied stirring stick. Scrape the sides of the container to ensure complete blending of 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.

**Dispensing** ... Pour properly mixed product directly from can; dispense through a bulk caulking gun or positive displacement pump. Fill joint to top. If leakage occurs, reapply as necessary prior to product becoming tack-free.

**Cleanup** ... Prior to curing, clean all tools and equipment with toluene or xylene. Spilled material must be collected with absorbent material and disposed of in accordance with

local, state, and federal regulations. Remove solid material mechanically.

## PRECAUTIONS

Do not use in vertical or sloping joints, or in areas subject to continuous water immersion. Do not use in joints designed for any significant movement (i.e. expansion or contraction joints). Do not apply when concrete temperature is below 40° F (4° C). This product is recommended for interior use only. It is not suitable for areas subject to sudden extreme temperature changes. Concrete must be a minimum of 28 days old, but for optimal results, allow the concrete to cure for a minimum of 56 days prior to installation. REZI-WELD FLEX may discolor during curing when applied in areas heated by artificial heaters, which generate carbon dioxide, or when exposed to certain UV lighting systems or sunlight.

## HEALTH AND SAFETY

Avoid direct contact with this product. Both components may cause irritation as well as skin and respiratory sensitization. Component B is corrosive and may cause tissue destruction. In case of contact, immediately flush affected areas thoroughly with water for at least 15 minutes. Seek immediate medical attention. 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 Material Safety Data Sheet for complete health and safety information.

## LEED INFORMATION

May help contribute to LEED credits:

- EQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants
- MR Credit 5.1: Regional Materials: 10% Extracted, Processed & Manufactured Regionally
- MR Credit 5.2: Regional Materials: 20% Extracted, Processed & Manufactured Regionally

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