

# ReVue™-CRM

## Concrete Repair Mortar



**DESCRIPTION:** ReVue-CRM is a high performance repair mortar. It is easy to work with and is compatible with both interior and exterior applications.

**USES:** Ideal for use in the following applications: warehouses, vertical repairs, truck docks, heavy industrial repairs, commercial floors and ramps. With its capability to withstand extreme temperatures, ReVue-CRM is ideal for fast track projects in high traffic areas including streets and truck docks.

**ADVANTAGES:**

- Fast curing. ReVue-CRM is open to standard traffic within 4 hours of application and can be applied as thin as 1/4".
- High strength
- Interior and exterior applications
- One component
- Gains strength quickly
- Compatible with a wide range of temperatures
- Superior bond
- Better coverage
- Resistant to freeze and thaw conditions
- No VOC (0 g/L).
- **LEED® CREDIT** – LEED Green Building Certification Program credits may be available:
  - **Indoor Environmental Quality**
    - 4.2 Low-Emitting Materials, Paint & Coatings
  - **Material and Resource**
    - 4.1 / 4.2 Recycled Content, 10% / 20%

SYSTEM PROPERTIES			
VOC (ASTM D3960)	0 g/L (0.0 lb/gal)		
Working Time	20 minutes		
Set Time	30-45 minutes		
Open to Traffic	4 hours		
Strength:	3 hours = 1200 psi 1 day = 4500 psi 7 days = 6000 psi 28 days = 7000 psi		
Freeze & Thaw Resistance (% RDM)	97		
Rapid Chloride Permeability	1050 (low)		
	1 Day PSI	7 Days PSI	28 Days PSI
Slant Shear Bond	1,900	2,900	3,300
Direct Shear Bond	155	380	445

APPLICATION CHARACTERISTICS	
Thickness	1/4" to 4" (6.35 mm to 101.6 mm)
Coverage Rate per bag mix	9.6 ft <sup>2</sup> @ 1/2" (0.89 m <sup>2</sup> @ 12.7 mm)

## GENERAL PRODUCT INFORMATION

<b>STORAGE:</b>	Materials should be stored indoors between 65°F (18°C) and 90°F (32°C).
<b>SHELF LIFE:</b>	One year from date of manufacture.
<b>PACKAGING OPTIONS / PART NUMBERS:</b>	<b>ReVue-CRM</b> 9013209 (Pallet of 48 - 50 lb. double-wall bags) <b>NOTE:</b> <i>Mix with exactly ½ gallon (1.89 liters) of potable water. DO NOT OVER WATER.</i>
<b>LIMITATIONS:</b>	<b>DO NOT USE:</b> <ol style="list-style-type: none"><li>1. Where hydrostatic pressure (water) exists or moisture emissions exceed level permitted for installing floor covering.</li><li>2. Over presswood, particle board, Masonite, chipboard, OSB, underlayment board not of APA Underlayment (exterior) grade or similar dimensionally unstable materials susceptible to movement or swelling.</li><li>3. Over gypsum based patches or underlayment material due to chemical reaction.</li><li>4. Single layer stripwood floors.</li></ol>
<b>COLOR:</b>	This product is only available in a beige concrete color.

**IMPORTANT: READ AND FOLLOW ALL PRECAUTIONS AND INSTRUCTIONS BEFORE PROCEEDING.**

**PLEASE SEE SAFETY DATA SHEET (SDS) FOR HANDLING PROCEDURES.  
USE PRODUCT AS DIRECTED.  
KEEP OUT OF THE REACH OF CHILDREN.**

## PRELIMINARY FLOOR INSPECTIONS

**CHECK THE TEMPERATURE:** Floor temperature and materials need to be above 50-90°F (10-32° C). **NOTE:** *Higher temperature application will yield shorter work times.*

**CHECK THE CONCRETE:** Concrete must be structurally sound. Tennant assumes no liability for substrate defects. If you suspect the concrete has been sealed or coated, call Tennant Company tech support for further instructions.

**CHECK FOR MOISTURE:** Concrete must be 28 days old before application of this material. Concrete moisture testing must occur. In-situ relative humidity testing is recommended. Readings must be below 75% relative internal concrete humidity. Test methods can be purchased at [www.astm.org](http://www.astm.org), see F2170, or follow manufacturer's instructions. If moisture issues are present, the use of a moisture mitigation system may be a consideration. Please call Tennant Company Technical Support for further information / instructions.

## APPLICATION EQUIPMENT

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|---|---|
| <ul style="list-style-type: none"><li>• Protective clothing</li></ul>                       | <ul style="list-style-type: none"><li>• Trowel (stainless steel), 4" x 12" (101.6 x 304.8 mm)<br/>Pool Trowel or 3" x 12" (76.2 x 304.8 mm) finishing trowels</li></ul> |
| <ul style="list-style-type: none"><li>• Mortar mixer – [Baugh, Imer or Kol mixer]</li></ul> |   |

**ASSEMBLE EQUIPMENT:** Due to the limited pot life of the material, all application equipment, etc. should be ready for immediate use. (Clean roller with tape to remove any residual lint.)

**CLEANUP:** Use water to clean ReVue-CRM from tools and equipment. Once it is dry it will need to be removed mechanically. It is important to periodically clean tools.

## SURFACE PREPARATION

The concrete surface should be clean and sound. The surface should be free of any bond breakers including but not limited to loose gravel, oil, wax, grease or dirt. Concrete with cap intact that is being overlaid to change slope, etc. needs to be aggressively blasted with shot or scarified. The concrete should be presoaked and saturated surface-dry SSD condition without standing water.

## APPLICATION - REVUE-CRM

### COVERAGE RATE:

Coverage rate will depend upon application thickness. A one bag mix will nominally cover (finished floor):  
ReVue-CRM: 9.6 ft<sup>2</sup> @ 1/2" (0.89 m<sup>2</sup> @ 12.7 mm)

**NOTE:** *Do not apply less than ¼" in thickness or where featheredge is needed.*

**POUR ONE-HALF GALLON OF WATER** into the mortar mixer. Begin mixing.

**WHILE MIXING SLOWLY ADD ONE BAG (55 LBS) OF CONCRETE REPAIR MORTAR OVER 3-5 MINUTES** to the water in the mortar mixer. **NOTE:** *For deeper patches (>1"), ReVue-CRM may be extended by adding up to 30 pounds of clean pea gravel. A small amount of additional water may be added only after 2 minutes of mixing; no more than one cup.*

**DO NOT OVER MIX** due to the formation of air bubbles.

**WORKING TIME:** *Approximately 20 minutes at 72°F (22.2°C).*

**POUR THE MIXED MATERIAL** on the prepared area.

**USE HAND TROWELS** to compact and level material. Firmly work the material into the bottom ensuring a good bond.

**SET TIME OF MATERIAL** is 30-45 minutes.

**ALLOW MATERIAL TO CURE** 4 hours before opening to traffic.

### APPLICATION OF ADDITIONAL COATINGS

The repair mortar needs to be mechanically prepped, or coatings will not adhere well. The repair mortar needs to cure >12 hours before it will be hard enough; this will vary with cure conditions.

### TECHNICAL SUPPORT

For any preparation or application questions, please call Tennant technical support at 800-228-4943, option 3 (US & Canada), 800-832-8935 (International).

### DISPOSAL

Dispose of all excess material, packaging and other waste in accordance with federal, state and local regulations.

### MAINTENANCE GUIDELINES

**Allow floor coating to cure at least one week before cleaning by mechanical means (e.g., sweeper, scrubber, disc machine).**

**Care:** Proper maintenance will increase the life and help maintain the appearance of your new Tennant floor coating. Sweep and scrub your new coating regularly, as dirt and dust are abrasive and can quickly dull the finish, decreasing the life of your coating. Remove spills quickly as certain chemicals may stain and could possibly permanently damage the finish.

**Use soft nylon brushes or white pads on your new floor coating. Any brush more abrasive than a soft nylon or white pad can cause premature loss of gloss.**

**Detergent:** Tennant has a full range of detergents--general purpose to heavy duty--for your cleaning needs. For assistance in determining which detergent is right for your facility or for additional technical information call: 800-228-4943, option 3 (US & Canada), 800-832-8935 (International).

**Caution:** Avoid scratching or gouging the surface. All floor coatings will scratch if heavy objects are dragged across the surface.

Do not drop heavy or pointed items on the floor as this may causing chipping or concrete popouts in the case of a weak cap.

Rubber burns from quick stops and starts can heat the coating to its softening temperature, causing permanent marking.

**Repair:** Repair gouges or scratches or chip outs as soon as possible to prevent moisture or chemical contamination.

### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

Tennant offers a limited warranty on all products. Please see the Tennant Coatings Limited Product Warranty Statement on our website at [www.tennantcoatings.com/warranty](http://www.tennantcoatings.com/warranty). Please contact the Tennant Coatings Technical Support team for additional questions at 800-228-4943, option 3 (US & Canada), 800-832-8935 (International).