

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 ² @ 1/2" (0.89 m ² @ 12.7 mm)

GENERAL PRODUCT INFORMATION

STORAGE:	Materials should be stored indoors between 65°F (18°C) and 90°F (32°C).
SHELF LIFE:	One year from date of manufacture.
PACKAGING OPTIONS / PART NUMBERS:	ReVue-CRM 9013209 (Pallet of 55 - 55 lb. double-wall bags) 9013498 (1 55 lb. double-wall bag) NOTE: <i>Mix with exactly ½ gallon (1.89 liters) of potable water. DO NOT OVER WATER.</i>
LIMITATIONS:	DO NOT USE: <ol style="list-style-type: none">1. Where hydrostatic pressure (water) exists or moisture emissions exceed level permitted for installing floor covering.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.3. Over gypsum based patches or underlayment material due to chemical reaction.4. Single layer stripwood floors.
COLOR:	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. Calcium chloride testing or in-situ relative humidity testing is recommended. Readings must be below 3 pounds per 1,000 ft² (1.5 kg per 92.9m²) over a 24-hour period on the calcium chloride test or below 75% relative internal concrete humidity. Test methods can be purchased at www.astm.org, see ASTM F1869 or F2170, respectively or follow manufacturer's instructions. If moisture issues are present, the use of Eco-MVS may be a consideration; see appropriate System Guide and/or call Tennant Company Technical Support for further instructions.

APPLICATION EQUIPMENT

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

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 ft² @ 1/2" (0.89m² @ 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 4 (US & Canada), 800-832-8935 (International).

DISPOSAL

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

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

This warranty applies to all Specialty Surface Coatings, with the following exceptions: Eco-Hard-N-Seal™, Eco-EDP™ (Electrostatic Dissipative Primer), Eco-EDE™ (Electrostatic Dissipative Epoxy), and SDS™ (Static Dissipative System). These products have a separate warranty policy.

Tennant Company warrants its Specialty Surface Coatings to be free from defective manufacture, improper formulation, and defective ingredients. Warranty covers replacement of materials only.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

In no event shall Tennant or Seller be liable for any incidental, consequential, or special damages arising out of the use of Tennant Specialty Surface Coatings. **THE ONLY REMEDY OF THE USER OR BUYER, AND THE ONLY LIABILITY OF TENNANT AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES, OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE) SHALL BE REPLACEMENT OF THE PRODUCT OR, AT THE ELECTION OF TENNANT OR SELLER, RETURN OF THE PURCHASE PRICE.**

No representative of Tennant has authority to give any other warranty or assume other liability. The presence of a Tennant employee during the application of Tennant's Specialty Surface Coatings does not extend or alter the warranty or limitations in any manner whatsoever.