

Product Data Sheet

Concrete Repair Mortar (CRM)



Description:	Neogard® Concrete Repair Mortar is a Portland cement, combined with graded silica, corrosion inhibitors, and other modifiers.
Recommended use:	As a fast-setting, trowel-grade repair material for horizontal repairs. It may be used vertically in some form-and-pour applications. Applications include parking decks, bridge structures, pier and deck supports, water and sewage treatment plants, factory and warehouse floors, manholes, and as a concrete topping.
Features:	High early strength; ready for service in 8 hours. Resists wear. Excellent bond strength. Low shrinkage. Non-metallic. Can be applied at 32°F/0°C. High compressive and flexural strength. May be used indoors or outdoors, above or below grade. Integral color may be added to mix.
Availability:	Available in North America. Not included in Group Assortment. Availability subject to confirmation.

Colors and packaging:

(CRM) (690JB99980P050)	Light gray	50-lb, moisture-resistant bags
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Physical constants:

Compressive strength	1 day: 4,265 psi 3 days: 6,925 psi 7 days: 7,775 psi 28 days: 8,900 psi	ASTM C109, air cured	Note: Rate of strength gain is significantly affected by extreme temperatures.
Flexural strength	3 days: 879 psi 7 days: 1,227 psi 28 days: 1,790 psi	ASTM C348, air cured	
Shrinkage	7 days: 0.01% 28 days: 0.01%	ASTM C596	
Typical thickness:	45 ft ² at 1/8" thickness	(50-lb bag yields 0.41 ft ³ total)	

The above tested results are typical values. Individual lots may vary up to 10% from the typical value. Further technical information can be found at www.neogard.com.

Application details:

Application method:	Trowel
Mixing:	Mix three quarts of water per 50-lb bag of Neogard CRM. Pour 3.0 quarts of clean water into a suitably sized mixing container or concrete mixer. Add ½ of the bag of Neogard CRM and begin mixing using a heavy-duty, high-speed drill and paddle mixer. Slowly add in the remainder of the bag a little at a time. For high-volume applications, use a paddle-type mortar mixer. Mix for a minimum of 3 minute/minutes until the product is thoroughly mixed and achieves uniform consistency before applying. Do not overwater as excess water will cause segregation.
Form and Pour Application	When applying Neogard Concrete repair mortar, it is recommended that you do not exceed 120 ounces of water per 50lbs of product. Do not overwater as excess water will cause segregation.

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Working time:	20 minutes at 75°F (23°C). Ice water may be used to extend working time.
Cleaning of tools:	Water
Safety:	Handle with care. Use with adequate ventilation. Before and during use, observe all safety labels on packaging and paint containers, consult Neogard Safety Data Sheets and follow all local or national safety regulations. Note: Contains Portland cement, silica sand, and free silica.
Surface preparation:	Existing concrete surfaces must be clean and structurally sound. Ensure surfaces are free of oil, grease, dust, sealers, coatings, release agents, curing compounds, laitance, or any other contaminants. Remove all contaminants mechanically by chipping, hammering, grinding, or shotblasting. Remove all dust by vacuum or blowing with compressed air.
Application instructions:	Do not featheredge. Sawcut to obtain a straight edge, minimum ½” depth. Finish to desired surface profile. Lubricate trowel to prevent dragging of material. Place at full depth and continuous to avoid cold joints.
Subsequent coat:	May be overcoated in 24 hours. Check moisture content of applied Neogard CRM material before applying epoxy or other non-breathable coatings. Apply paint and coatings using those products’ directions for application over concrete.
Limitations:	In cold weather, more time than 8 hours may be required before opening application area for use. Water-based stains, dyes, or sealers may be used. Neogard CRM will not take acid stains. Ensure results with a mockup under jobsite conditions. Do not add pea gravel; this will not improve product performance.
Application conditions:	Ambient and surface temperatures: Minimum 32°F/0°C (without primer). Do not use below 32°F/0°C.
Storage:	Store in a dry, cool location.

Note: **Neogard CRM Concrete Repair Mortar is for professional use only.**

Issued by: Hempel (USA) – 690JB99980P050

This Product Data Sheet (“PDS”) relates to the supplied product (“Product”) and is subject to update from time-to-time. Accordingly, the buyer/applicator should refer to the PDS current as of the time of delivery. In addition to the PDS, the buyer/applicator may receive some or all of the specifications, statements and/or guidelines listed below or available at www.neogard.com (the “Additional Documents”):

No.	Document Description
1	PDS
2	Guide Specification
3	Application Manual
4	Other Technical Support Information (i.e. summary application tables, troubleshooting guides, maintenance manuals, chemical resistance charts and other technical information)

In the event of a conflict between this PDS and the Additional Documents, the conflict shall be resolved in accordance with the order of priority set forth above. In addition, the buyer/applicator should refer to the relevant Safety Data Sheet current as of the time of delivery and available at www.neogard.com. Buyer/applicator is responsible for determining the suitability of the intended use of the Product, and Neogard disclaims all responsibility for any use, handling and storage of the Product that is not in accordance with the requirements set forth in the relevant PDS and the Additional Documents. The terms and provisions hereof apply to this PDS, the Additional Documents and any other documents supplied by Neogard in respect of the Product. The Product is supplied and all technical assistance is given subject to the General Conditions of Sale of Hempel Products and/or Services available at www.hempel.com. NEOGARD MAKES NO OTHER WARRANTY THAT EXTENDS BEYOND THE WARRANTY REFERENCED THEREIN INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NEOGARD WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY OR CONDITION, OR THAT IN ANY WAY ARISE IN RELATION TO THE PRODUCT. DRAFT ConcreteRepairMortar-PDS ksk 03102022.docx

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