



HYDRO-PLUG

NON-CHLORIDE HYDRAULIC CEMENT MIXTURE



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Technical Data Sheet

Product Description:

A dry powder blend composed of hydraulic cements designed to set in three to four minutes after being mixed with clean water. This is a rapid cement repair product that attains maximum strength rapidly. One of its main uses is to stop running or seeping water through the cracks or holes in concrete structures. Because it maintains its dimensional stability, it ensures a tight/firm seal and bond that will not corrode or decompose. It is stronger and more durable than normal Portland cement mixes and is highly resistant to sulfates, MIC corrosion and Chloride salts. The product produces a fast set used for repairs to stop active water leaks, hydrostatic pressure water leaks, and underwater concrete repairs. This makes it ideal for basement, tunnel, elevator pit, and sewer repairs. It is also used for grouting, anchoring and sealing around bolts, conduits, and pipes. It is compatible with other Portland cement type mixes or mortars for blending to accelerate setting.

Installation:

Before using this product, please refer to the Material Safety Data Sheet for additional information. Proper handling precautions must be followed. The conditions for use, handling, and typical application of this product and information (whether verbal or written), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test the application to be performed to determine satisfaction and suitability for the intended use, health, safety, and environmental issues. The following information is meant as a guideline of best industry practices. While we do not suggest adherence or use to these guidelines, unforeseeable variables and development of successful installer practices may cause variation in methods and or results on uses for repair or anchoring.

Surface Preparation:

To insure proper adhesion, the surface must be thoroughly cleaned of all dirt, dust, oil, wax, and loose concrete. Depending on the surface to be treated, the following should be considered. Roughen surface area with wire brush, chisel, etc. Remove loose or weakened surrounded material. If crack is less than 3/4-inch (19.1mm) in width or depth, widen or gouge to this dimension to allow enough material in the cavity for proper expansion, strength, and bonding. Inner portion of the crack should be undercut so that the depth of the crack is wider than the surface opening. The creation of an inner cavity allows for expansion into the crack and often resists head water pressure. If hole or crack is not leaking at the time of the repair, soak area with running water for at least 15 minutes prior to the installation.

Mixing:

Add water in small amounts, mix and knead to the consistency of putty or thick mortar. Mixing time should not exceed 2 (two) minutes. Prepare no more than can be used in 3 (three) minutes. Warm water speeds set time. To further extend setting time use cold mixing water. Do not add additional water once mixed.

Application:

The surface should be damp and once water has been added and the material has attained a putty-like texture, shape to a form similar to the crack or cavity about to be repaired. At this point speed in working is essential. After forming to a suitable shape, force the material into the crack or cavity compressing it firmly using a

gloved palm, trowel, wood block, etc. and hold in place for one minute. For long vertical cracks, patch with successive small amounts starting at the top of the crack. If there is a strong water flow, put material on a board and hold in place for a longer period (5 to 6 minutes). Do not brush or trowel over surface, shave off excess material with knife or similar tool.

Limitations:

Low temperatures will retard set time, while high temperatures will accelerate. Use only cool clean potable water for mixing. Do not mix with water over 100° F (37.8°C) over mix, or re-temper after being mixed. Product will generate heat when mixed with water. Never apply where soot or efflorescence is present, as this will cause bond to breakdown of cement-based products. This product is not intended to be used as an all load bearing patching material, or for overhead or vertical anchoring.

Caution:

Generates heat when mixed with water. WEAR GLOVES WHEN MIXING AND HANDLING.

Clean-Up:

In case of spillage, sweep into appropriate container, and dispose of in accordance with applicable local regulations. Flush area with large amounts of water. Cured material can only be removed by mechanical methods.

First Aid:

Avoid skin and eye contact. Safety goggles, rubber gloves, and the use of a NIOSH/OSHA approved dust respirator is recommended. In case of skin contact, flush with water and if product gets into eyes, flush immediately with water for 15 minutes and seek help from a physician if needed. Wash clothing before re-use. Cement powder or freshly mixed concrete may cause skin burns. Avoid contact and wash exposed areas promptly with water. KEEP OUT OF THE REACH OF CHILDREN. INTENDED FOR INDUSTRIAL USE ONLY.

Packaging & coverage:

AVAILABLE IN GRAY OR WHITE
50-lb (22.7kg) Pail , 10-lb (4.5kg) can contains,
2.5# cans (2.25 kg)
Each 50# pail covers .45 Cu/Ft

Strength	PSI
1 day	3300
3 day	5000
28 days	7000



DIY - 10 Specialty Concrete Materials



Warranty: When product is used according to directions and when properly used, warranty is limited to one year after product is supplied to the purchaser in the original container. Refund of the purchase price only if deemed defective at manufacture. This product is intended for industrial professional use by competent tradesmen, with sufficient knowledge and experience on use and proper handling of these products. The purchaser agrees to assume all responsibility for installation, product selection, application, job warranties, use, transport and disposal of product. Builders Construction Products shall not be liable to the purchaser or any third party for costs of labor or direct or indirect and incidental or consequential damages related to the use or suitability of this product. No other warranties are implied. Responsible disposal of used products and packaging is the responsibility of the purchaser and or user. This product does not contain hazardous or controlled substances considered harmful to the environment.

Disclaimer clause; while we try to publish the most accurate information we reserve the right to correct mistypes and incorrect statements as they are discovered. If at any time you have doubts about the contents of any of our literature, you are encouraged to call us.

FOR INDUSTRIAL USE ONLY KEEP AWAY FROM CHILDREN AND PETS.

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“THE QUALITY OF OUR COMPANY SHOWS IN IT’S PRODUCTS”

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