



**Product Name: JACKHAMMER CONCRETE PATCH**

**Product Number: MARC 221**

**Fortified with Vinyl Polymer Additives For Enhanced Performance**

#### Product Description

**MARC 221 Jackhammer Concrete Patch** trowels smoothly to repair and patch over spalled, pitted and rough surfaces making it ideal for use to repair and fill holes, cracks and broken joints. This product may be used as an overlayment or underlayment.

#### **BASIC USE:**

Recommended for repair of chipped, spalled, scaled or broken concrete and masonry surfaces of:

- Sidewalks • Curbs • Driveways • Stucco • Mortar Joints • Steps • Floors

#### **COMPOSITION & MATERIALS:**

**MARC 221 Jackhammer Concrete Patch** is a polymer modified, multi-purpose cement repair mortar specially designed to patch any concrete or masonry surfaces. Just add water.

#### Advantages/Benefits

**MARC 221 Jackhammer Concrete Patch** has several advantages including:

- Superior strength, strong adhesion and is easy to use • Initial set in 20 to 30 minutes
- Strong bond to existing concrete and masonry surfaces • Trowels easily to a 1/16" feather-edge layer
- Suitable for use in horizontal or vertical repairs, indoor and outdoor applications • Weather-resistant, resists freeze and thaw damage

#### Preparation

Remove all broken and loose concrete or foreign materials from the surface area to be repaired. Slick or smooth surfaces must be thoroughly roughened to ensure strong bond with the material. Prior to application dampen the surface to be repaired and clean thoroughly with potable water, leaving the surface saturated but free of standing water. Use a pressure washer to clean the surface, for best results.

#### Mixing Instructions

Add **MARC 221 Jackhammer Concrete Patch** into a clean mixing container. Add water slowly, mixing thoroughly until the mix reaches a thick, workable consistency. Up to 10 pints of water per 50 lb. bag of **MARC 221 Jackhammer Concrete Patch** may be added. Avoid a "soupy" mix; too much water will weaken the patch.

#### Placement

Use a trowel to apply the mixture onto the repair surface and work the mixture into the original concrete or masonry. Lightly trowel to desired finish. For optimum performance, apply when temperatures are between 50°F and 90°F. Weather conditions may affect quality and effectiveness of bond to concrete.

#### Curing

For proper curing protect the new surface from heat and direct sun for 24 hours. Do not wet the surface once the material has set. Exterior applications at ½ " thickness and 60°F and above can handle foot traffic in 12 to 24 hours, vehicles in 24 to 48 hours. Indoor applications under cool conditions may take up to 72 hours to fully cure. Thicker applications of **MARC 221 Jackhammer Concrete Patch** and cooler temperatures extend cure times. Cured material will be light grey in appearance; material will appear wet while still curing.

#### Technical Information

**MARC 221 Jackhammer Concrete Patch** exceeds the requirements of ASTM C-387 Specifications for Packaged, Dry, Combined Materials for Mortar and Concrete when used as directed. Minimum compression strength (actual results will generally be higher): 1 day=1,000 psi; 7 days=4,000 psi; 28 days=5,000 psi.

#### Application Notes

Adhering to recommended water additions is very important. Exceeding the maximum recommended water content per bag will result in inferior physical properties. For best results, do not apply when temperatures are below 50°F or above 90°F.

#### Coverage

One 50 lb. bag (22.68 kg) of **MARC 221 Jackhammer Concrete Patch** yields approximately 50 square feet at 1/8" thickness.

#### Warning

**MARC 221 Jackhammer Concrete Patch** contains Portland cement and sand. Normal safety wear such as protective clothing, boots, rubber gloves, dust masks, eye safety glasses should be worn while handling cement-based products.

#### Limited Warranty

This product meets or exceeds applicable ASTM C-387 standards in force at the time of packaging. Supplier, having no control over the use of the material, does not guarantee finished work. Replacement of any defective product or refund of the purchase price of defective product shall be the buyer's sole remedy under this warranty. This limited warranty excludes any liability for any consequential, incidental, indirect or special damages. Except for the limited warranty made above, supplier specifically disclaims and excludes any other express warranty, any implied warranty of merchantability of goods and any implied warranty of fitness of goods for any particular purpose. R0419

MID-AMERICAN RESEARCH CHEMICAL CORP.

P.O. Box 927 • Columbus, Nebraska 68602-0927 • Phone (402) 564-7104 • Fax (402)563-1290 • www.marc1.com