



# O-V MORTAR

## Repair and Re-Profiling Mortar for Overhead & Vertical Use

### PRODUCT DESCRIPTION

Miracote O-V Mortar is a fast-setting mortar designed for patching and smoothing work on overhead or vertical surfaces. O-V Mortar is two-component – a polymer liquid combined at the job site with pre-packaged cement-aggregate powder. It is formulated to be “sticky” and non-sagging in order to adhere to overhead surfaces without requiring form support.

O-V Mortar can be used in exterior or interior locations. Environmentally friendly, it is fully VOC compliant and not toxic in any degree. Its polymer formula gives Miracote O-V Mortar low water absorption and offers protection to steel reinforcing. Miracote O-V Mortar dries to a natural cement color with little or no shrinkage cracking. The product can be brought to a smooth finish by brush or float.

### WHERE TO USE

- Repairs
- Re-profiling
- Exterior or Interior

### ADVANTAGES

- Fast-Set
- Overhead applications do not require form support
- VOC compliant
- LEED point eligibility
- Minimal or no shrinkage

### COVERAGE:

Overhead: One inch depth  
Vertical: Three inches depth.

### PACKAGING

Miracote O-V Mortar is two component and packaged in five gal. pails (19 liters) of O-V Liquid and 55 lb. bags (25 kg) of O-V Powder.

7043	O-V Mortar, Gray Powder (27 lb. bag)
7057-6GKP	O-V Mortar, Gray Powder (27 lb bag) (both in 6 gal pail)
7059	O-V Mortar, Gray Powder (55 lb bag)
7057	O-V Mortar Liquid (1 gallon can)
7055	O-V Mortar Liquid (1/2 gallon pail)
7058	O-V Mortar Liquid (5 gallon pail)

### MIX RATIO

Standard mix is one gallon liquid to one bag powder. This quantity covers approximately 0.6 cubic foot.

### SHELF LIFE AND STORAGE

Shelf life will be one year from the date of manufacture as long as containers remain unopened and when material is store in a protected environment that is free from moisture, excessive heat and freezing temperatures, and direct sunlight.

### TYPICAL PHYSICAL PROPERTIES @ 75°F (24°C)

<b>Compressive Strength</b> ASTM C109	..... 1 Day	..... 3,830 psi
	28 Days	..... 8,060 psi
<b>Flow</b> ASTM C230, 25 drops	.....115%	
<b>Splitting Tensile Strength</b>		
ASTM C496	..... 28 Days	..... 400 psi
<b>Wet Density</b>	.....2.04 g/ml	
<b>Slant Shear Adhesion</b> ASTM C1042	..... 7 Days	..... 360 psi
<b>Permeability</b> ASTM C1202	..... 28 Days	.....830 coulombs

### OVERVIEW OF INSTALLATION STEPS

(Please refer to the following and contact Miracote with questions)

- **Preparing Surfaces** - Hammer out all loose and spalling mortar back to sound, clean concrete or masonry. Clean and prepare exposed reinforcing.
- **Priming** - If surface is high absorbent or if work is outside in full sun, dampen with water to reduce temperature and suction. Brush coat all surfaces with a thin slurry coat consisting of two parts O-V Powder to one part (by volume) of O-V Liquid. Apply mortar into a wet slurry coat.
- **Mixing** - Exact proportioning of O-V Liquid and O-V Powder depends upon surface configuration, environmental conditions and applicator preference. Make trial mix rate of 1/2 – 3/4 gal. O-V Liquid to one bag powder.

### For Best Results:

Install a minimum 4’ by 4’ test area site mock up for approval of acceptable color, texture, finish, adhesion, and any other critical requirement acceptable to the owner prior to proceeding with the installation.

Verify current versions of product technical data sheets (PTDS), material safety data sheets (MSDS), and installation guidelines (IG) at [www.miracote.com](http://www.miracote.com).

Protect materials from excessive heat and cold and regularly check wet film thickness with mil gauge and monitor consumption to ensure correct application thicknesses and rate are obtained.



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#### PRODUCT AVAILABILITY

Crossfield Products Corp. maintains offices and/or factories at all addresses listed below. Factory Trained Contractors are established in all major trading areas in the United States, Canada and various European, Latin American and Far East nations.

#### MAINTENANCE

For maximum sheen and cleanability, floor should be routinely treated with conventional maintenance finish followed by ordinary buffing.

#### SPECIFICATION ASSISTANCE

Consult Crossfield Products Corp. for specification assistance, detailing, etc. This consultation is highly recommended prior to specification.

#### CLEANING

Cleaning and disinfecting compounds and cleaning techniques can affect the color, gloss, texture and performance of the system. As a precautionary step, Crossfield recommends that the end-user test their cleaning and disinfecting compounds on a sample or on a small, out of the way finished area, utilizing the intended cleaning technique prior to cleaning the entire surface area. If no deleterious effects are observed, the procedure can be continued. If the cleaning and disinfecting compounds or cleaning techniques damage the system, modification of the cleaning material or techniques will be required. Contact your Representative for additional information.

#### TESTING

The technical data contained herein is the result of tests made in Crossfield's laboratories or in independent laboratories using small scale equipment, following generally accepted trade practices. Although this information is believed to be true and accurate, the use of different equipment for testing under dissimilar conditions or the testing of samples produced under dissimilar conditions may develop substantially different results.

#### LIMITED WARRANTY

NO WARRANTY SHALL BE EFFECTIVE UNTIL THE TERMS AND CONDITIONS OF SALE SET FORTH IN CROSSFIELD PRODUCTS CORP. INVOICES ARE MET.

Crossfield Products Corp. warrants to the purchaser of its products that such products are free from manufacturing defect. Crossfield does not warrant or guarantee the workmanship performed by any person or firm installing its products. Crossfield's obligation under this warranty is limited solely to the original purchaser and solely to the remedy of replacement in kind of any product which Crossfield sold which may prove defective in manufacture within one year from date of installation, provided said product was stored correctly and installed within the product's shelf life, by the original purchaser and which Crossfield's examination shall disclose to Crossfield's satisfaction to be thus defective.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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