



# MAVS Pro Plus Masonry Mortar & Grout

Premium, Water-Resistant Mortar for Grouting & Setting Brick and Block



## COVERAGE

Typical thin brick application 35 - 40 ft<sup>2</sup> (3.25 - 3.7 m<sup>2</sup>) per bag (2.5" x 8" thin brick, 1/2" x 1/2" grout joint). Coverage may vary due to type of veneer, ambient temperature, surface temperature, surface porosity, mixing methods, and/or application methods.

## PACKAGING

50 lb (22.7kg) bag

## STORAGE

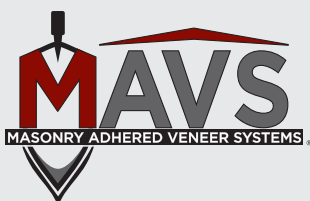
1. Store bags in a cool, dry location.
2. Store away from direct contact with the ground and/or concrete.
3. Store out of direct sunlight.
4. Protect bags from weather and other damage.

## SHELF LIFE

1 year from date of production in an unopened bag when stored properly.

## COLOR

Grey, white, off white, and tan. Standard stocking colors from MG200 - MG219. Hundreds of custom colors available; addition charges may apply.



## PRODUCT DESCRIPTION

**MAVS Pro Plus** Masonry Mortar & Grout is a premium mortar with additional water-repellent additives that make it highly water and efflorescence resistant. It is manufactured with cement, lime, water-repellents, masonry aggregates, and other proprietary additives. MAVS Pro Plus is used for grouting interior and exterior applications of most natural and manufactured veneers, thin brick, pavers, brick, tile, stone, precast, and block. MAVS Pro Plus may also be used to set full brick and block units. Omega AkroLoc or Siena Admix AX100 latex admixtures can be used to impart greater flexibility, improve bond strength, increase water retention, and surface appearance.

Manufactured to the highest quality control standards, MAVS Pro Plus exceeds ASTM C270 for Type S and Type M mortars and ANSI A118.6 for grout requirements. It is available in grey, white, off white, tan, and a variety of standard and custom colors. MAVS Pro Plus is part of Omega's Masonry Adhered Veneer Systems (MAVS) family of products backed by Omega's system warranties.

## FEATURES

*Water Resistant*

*Masonry mortar & grout*

*Smooth consistency*

*High performance*

*Versatile*

*Low shrinkage*

*Colors*

## BENEFITS

Reduced staining and efflorescence

Exceptional adhesion and performance

Excellent workability and flows easily, does not clog grout bag

Exceeds ASTM C270 Type S or Type M and ANSI A118.6 requirements

For use in vertical, horizontal, exterior and interior applications

Reduced risk of cracking

Available in grey, white, off white, tan, and a variety of standard and custom colors

## BASIC USES

MAVS Pro Plus is a premium mortar designed for grouting between veneer joints of natural stone and manufactured veneers, brick, tile, stone, pavers, block, precast, and masonry. It can be used on vertical and horizontal joints in residential and commercial, exterior and interior applications. MAVS Pro Plus may also be used for setting brick and block, but not as a veneer bonding mortar. Use MAVS 1000, 2000 or 3000 for veneer bonding applications.

## AREA OF USE

MAVS Pro Plus is used on the following joints:

1. Natural stone veneers
2. Manufactured veneers
3. Thin brick, brick
4. Pavers
5. Tile and stone
6. CMU
7. Precast

Note: Do not use over fluid applied membranes or as a veneer bonding mortar

## OPTIONAL PRODUCT UPGRADES/ENHANCEMENTS

PRODUCT	BENEFIT
AkroLoc, PolyLoc, Admix 500, Siena Admix AX100	Liquid admixtures that reduce cracking and increase tensile, bond, and flexural strengths
OmegaCure	Liquid accelerator to improve hydration, increase early strength/hardness, and allow cold weather application

# Application Instructions



## SURFACE PREPARATION

All surfaces to receive application must be structurally sound, clean and free of debris, dirt, dust, efflorescence, wax, grease, oils, curing or release agents, cleaning solutions, sealers, or anything that would hinder proper bond. Dampen surface prior to application, but do not allow water to puddle in joints.

## MIXING

Mix approximately 1.0 to 1.2 gallons (3.8 to 4.5 L) clean, cool potable water per 50 lb bag. Add approximately two thirds of the water to the mixer. Gradually add MAVS Pro Plus while mixing. Add the remaining amount of water and continue to mix for 3 - 5 minutes to achieve the desired creamy consistency. Allow mixture to slake (stop mixing) for 5 - 10 minutes then break the set (remix). When a polymer-modified grout is needed, replace half the water with Siena Admix AX100 or use Omega AkroLoc and follow mixing instructions above. Do not add additional water, admix or powder after slake period. During the application, occasionally stir the mixture to help maintain workability.

**NOTE:** Always maintain a consistent water-cement ratio to achieve consistency in workability and color.

## APPLICATION

### **As a Grout**

Apply MAVS Pro Plus per the recommendations of the veneer, thin brick, or masonry product manufacturers' specifications.

1. When hot, dry, or windy conditions exist, provide additional moisture or other protection to prevent flash drying of the grout.
2. Verify that all veneers are firmly attached and mortar is dry.
3. All joints to receive grout must be clean and free of debris, spacers, dirt, dust, efflorescence, grease, oils, curing agents and cleaning solutions.
4. Remove excess grout from the joints until at least 2/3 of the depth is free from mortar.
5. Porous veneers may require sealing to avoid staining from the grout color. Consult the manufacturers' recommendations.
6. Moisten porous veneers with a damp sponge to ease the application, but do not leave water standing in the joints.
7. Use a grout bag or a rubber grout float to fill joints completely. Apply material as needed to cover all voids and gaps and to ensure that the material is well compacted.
8. Remove excess grout using a damp sponge. Avoid using too much water because discoloration may occur.
9. Once the grout has started to set, approximately thumb print hard, strike back or sponge the grout to achieve the desired appearance.
10. Clean any grout from veneer face before grout dries.

**NOTE:** Some veneers can be scratched by the sand from grout or stained when color grout is used. See manufacturers' recommendations prior to use.

### **As a Mortar (brick & block only, not for adhering veneer)**

Apply MAVS Pro Plus per local code requirements and the brick or block manufacturer's recommendations.

## DRYING & CURING

Curing and/or drying time may vary due to climate and job conditions. Drying should occur within 24 hours at an ambient and surface temperature of 70°F (21°C) and 55% R.H. When hot, dry, or windy conditions exist, protection should be provided. All freshly applied material must be protected from inclement weather until fully dry. Full curing strength typically occurs in approximately 28 days.

## LIMITATIONS

**DO NOT** apply product when the ambient and surface temperature is below 40°F (4°C). \*The ambient and surface temperature must maintain the above requirements until fully dry (See Drying & Curing). Material that is allowed to freeze before fully dried may suffer irreparable damage.

**DO NOT** add any other materials to the mixture of the product without written approval from Omega Products International.

**DO NOT** deviate in the mixing or application procedures contained in this, or any other Omega data sheets without written approval from Omega Products International.

Due to job conditions beyond our control, Omega Products International makes no warranty as to the acceptance of the final color. The actual color should be applied on a sample section of the project and verified for color accuracy prior to the actual installation. See Technical Bulletin OP813 on Jobsite Mock-ups. It is expressly understood and agreed that color, texture and pigment variations are inherent in all integral colored products, especially in darker colors, and are not considered defects.

**NOTE:** Failure to follow manufacturer's written specifications could result in the following, but not limited to spalling, cracking, peeling, chipping, delamination, discoloration, wash off, and overall system failure.



\*To ensure proper hydration in cold weather applications (approximately 50°F to 32°F) use OmegaCure admix. Refer to OmegaCure data sheet for additional information.

## CLEANING

Cleaning may be accomplished with water immediately after use.

## SAFETY

Avoid contact with eyes and prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush immediately with running water for at least 15 minutes. Consult a physician immediately. Do not take internally. Be sure to provide adequate ventilation in enclosed areas. Use of an approved respirator is recommended.

## **KEEP OUT OF REACH OF CHILDREN**

### **DISCLAIMER**

Omega Products International [Manufacturer] MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE PRODUCT(S) SOLD HEREIN. The recommendations, suggestions, statements and technical data are based on the best knowledge available to Manufacturer and are given for informational purposes ONLY and without any responsibility for their use. It is expressly understood and agreed, as a condition of the use of this product, that the buyer's sole and exclusive remedy for any claimed defective product against Manufacturer shall be the replacement of products actually proven to be defective. Handling and use of the products are beyond the control of Manufacturer; therefore, no warranty is made, expressed or implied, as to the results obtained from the use of the product or against any claims for infringement of patents resulting from use of the product. Under no circumstance shall Manufacturer be liable for incidental or consequential damages arising out of the use or the improper application of the product. Before applying the product, the user shall determine the suitability of the product for their independent use, assuming all risks and liability whatsoever in connection therewith. This writing constitutes a complete and exclusive statement of the understanding between Manufacturer and Buyer.

### **CLAIMS**

Any Claimant shall notify Manufacturer immediately in writing of any alleged defect in the material. Claimant will provide Manufacturer with a reasonable and exclusive opportunity to investigate and test for the alleged defect. For any claim that is not valid Claimant agrees to pay Omega's reasonable charges, including travel and labor associated with investigation of such claim.

### **TECHNICAL ASSISTANCE**

Technical assistance and information is available by calling Omega Products International at (951) 737-7447 or by email at info@omega-products.com.

### **WARRANTY**

The following is made in lieu of all expressed and implied rights, warranties and conditions, statutory or otherwise. The manufacturer's only obligation shall be to replace such quantity of products proven to be defective within one year following the date of manufacture, provided that the alleged defective product is returned prepaid to the manufacturer's plant and is accompanied with proof of purchase and batch number.