



# PARAGON BUILDING PRODUCTS

PRODUCT INFORMATION ITEM NO. Grey 35450 ~ White 35451

## MULTI-SET / GREY & WHITE



**MULTI-SET:** is a single component, polymer modified thin-set which is mixed with water only. Multi-Set is specifically designed for bonding ceramic tile and natural stone too difficult to bond substrates.

### FEATURES AND BENEFITS:

- ◆ Excellent workability
- ◆ Self-curing/non re-emulsifying
- ◆ Sets most types of ceramic tile or stone
- ◆ Interior and Exterior applications
- ◆ Meets or Exceeds ANSI A118.4 and A118.11

**USES:** Residential installation on both walls and floors of absorptive, semi-vitreous and vitreous ceramic tile.

- |                     |                     |
|---------------------|---------------------|
| * Ceramics          | * Dimensional Stone |
| * Quarry            | * Veneers           |
| * Clay Bodied Tile  | * Brick             |
| * Porcelain Mosaics | * Porcelain Tile    |

### PREPARATION INTERIOR:

- ◆ A.P.A. Rated Group 1 Exterior grade plywood, CC plugged or better conforming to U.S. Product Standards PS 1-95
- ◆ COFI classified Select or (SEL-TF) Exterior grade plywood conforming to CSA-021 Standard for Douglas fir.
- ◆ Consult the current TCA Handbook for construction details on expansion and control joints (Detail EJ-171).

**PREPARATION EXTERIOR:** Surfaces must be structurally sound, dry and free of all grease, oil dust, paints, and any other surface contaminants. Concrete floors must be fully cured (28 days) and have a minimum of a fine broom finish.

**MIXING:** Use cool clean water, clean tools and containers. Pour approximately 1 ½ gallons (5.7 L) of water only and gradually add 50 lbs. (22.7 kg) of Multi-Set powder. Use a low speed approximately 200 RPM. Avoid over mixing to prevent air entrapment, mix thoroughly to produce a thick. But trowel able mortar. Allow mix to slake for 10 minutes, remix and use. Some stiffing may occur before all material is used up, if this happens simply re-stir by hand or machine, do not add any water to mix after slaking. Wash tools and hands with water immediately after mixing.

**APPLICATION:** Select the proper notched trowel to achieve 80% minimum mortar contact to the back of the tiles. For large tile applications, back-buttering with the flat edge of trowel may be required to achieve 100% mortar contact and void-free installation. With pressure apply a skim coat to the substrate with the flat edge of the trowel, then apply additional material immediately and trowel out the mortar evenly in one direction using the notched side of the trowel. Do not spread more material than can be covered with tile within 15 minutes. Press tile firmly into place using a twisting motion to insure proper tile to mortar contact. Beat tile in using a mallet. Allow at least 1/3 of the thickness of the tile to be imbedded. Check pieces periodically to ensure proper mortar contact. If skinning has occurred, remove the skinned mortar and replace with fresh mortar. Make all adjustments after beating in the tiles. Clean all joints and tops of the tile before material hardens. Clean all tools and hands with water before material dries.

**GROUTING:** Do not walk on or disturb the tiles for at least 24 hours. Do not grout the tiles for at least 24 hours. Grout with the appropriate Paragon Grout.



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**NOTE:** All installations must conform to current ANAI A 108.5 and TCA Handbook for Ceramic Tile Installations guidelines.

### TECHNICAL DATA:

Test	Requirements ANSI A 118.4 & 118.11	Typical Values Multi-Set
Open Time @73° plus	50 minutes	50-60 minutes
Adjustability	30 minutes	30 minutes
Bucket Life @ 73° plus		2-3 hours
Shear Bond (PSI)	Minimums	
Wall Tile 28 Day Air	300	525-600
Porcelain Tile		
7 Day Air	200	435-490
7 Day Wet	150	290-315
28 Day Air	200	475-525
Quarry Tile 28 Day Air	150	225-250

### COLORS:

Grey and White

### PACKAGING:

50 Lb. / 22.68 kg.

### COVERAGE (approximate):

Coverage may vary depending on the porosity and texture of the substrate.

¼" x ¼" x ¼" Sq. Notch                      90-100 Sq Ft

¼" x 3/8" x ¼" Sq. Notch                      75-80 Sq Ft

### LIMITATIONS:

- ◆ **DO NOT** apply when the air or substrate temperature is below 40° F within 24 hours of application.
- ◆ **DO NOT** over water
- ◆ **DO NOT** apply over substrates that are frozen or contain frost
- ◆ **DO NOT** use less than ½" total thickness
- ◆ **DO NOT** use dirty water or tool
- ◆ **DO NOT** add or mix any materials with

this product unless approved by  
**PARAGON CONCRETE PRODUCTS  
INC.**

- ◆ **DO NOT** accelerate cure with fans.

**TECHNICAL SERVICE:** For, application procedures or surface conditions not specified in literature contact:

**Paragon Concrete Products Inc.**  
2305 S Roof Tile Rd  
Casa Grande, AZ 85193  
Phone: 520-836-6454  
Fax: 520-421-1172

Avoid hazards by following all precautions found in the **MSDS (Material Safety Data Sheet)**, product labels and product information sheets. Please read this information prior to using the product. **MSDS** are available through technical service at **520-836-6454**.

**CAUTION:** Contains Portland Cement. Cement causes skin irritations, may cause allergic reactions. Avoid eye contact or prolonged contact with skin. Always wear NIOSH approved dust mask for silica dust, safety goggles and rubber gloves are recommended. Wash self thoroughly after any contact. In case of eye contact, flush immediately with plenty of water for at least 15 minutes. Consult a physician immediately.

### KEEP OUT OF REACH OF CHILDREN

Avoid hazards by following all precautions found in the **MSDS (Material Safety Data Sheet)**, product labels and product information sheets. Please read this information prior to using the product.

### LIMITED WARRANTY:

**Paragon Building Products, Inc. (Paragon)** warrants that this product and the materials used therein meet or exceed the applicable **ASTM** standards listed and in force at the time of manufacture. Paragon will replace any product or part which proves defective due to quality of



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### **LIMITED WARRANTY: (CONT.)**

ingredients used or due to the manufacturing process itself. This warranty shall apply only if the product is used in strict accordance to applicable specifications and instructions provided by Paragon for its use, and Paragon shall not be liable otherwise. Replacement of any defective product or, at Paragon's option, refund of the purchase price of any defective product shall be the buyer's sole remedy under this warranty, and Paragon shall in no event be liable for any damages in excess of the purchase price of the defective product. **PARAGON SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL INCIDENTAL OR SPECIAL DAMAGES.**

This Warranty constitutes the sole warranty given by Paragon in connection with this product, and Paragon has authorized no person to make or give any other warranties or representations, oral or written on its behalf. **IN PARTICULAR, THERE ARE NO IMPLIED WARRANTIES, INCLUDING WITHOUT EXCEPTION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** No modifications of this warranty in favor of any buyer shall be void unless given in writing and signed by an officer of Paragon.