

# Theater Magic Coating

THEATER MAGIC COATING & ADHESIVE is a blend of Portland cement, graded aggregates, special polymers and water retention chemicals. THEATER MAGIC is used to bond expanded polystyrene insulation board to properly prepared concrete block, poured concrete, cement board and gypsum sheathing. THEATER MAGIC may also be used to adhere foam over wood surfaces when used in conjunction with mechanical fasteners. Use Theater magic to embed woven reinforcing fabric to the face of the EPS board at a minimum of 1/8" thick as a substrate for synthetic finish.

## MIXING & APPLICATION

Using high torque drill (450 RPM max) mix approx. 4 1/2 quarts water to 50 lbs. of Coating. (Always add about 3/4 of the water to mixing pail then add powder and adjust consistency with remaining 1/4 of water.) Let material stand for about 10 minutes, and then remix without adding any additional water. For bonding board to substrate, a 1/2" X 1/2" notched trowel is recommended to apply to entire back of foam board. To embed reinforcing mesh, use a steel finishing trowel to apply a 1/8" layer to face of board first, and then apply mesh and trowel over smooth. (Rasping of surface is recommended to enhance bond)

## CURING

THEATER MAGIC should cure in approx. 8 to 12 hours. There is no need to fog or mist Theater magic but care should be taken to protect it from extreme sun, heat and wind.

## LIMITATIONS

DO NOT apply if temperature is less than 40 F. Always do a test application to determine suitability of EPS board and substrate. When in doubt use mechanical fasteners.

## COVERAGE

Estimated adhesive coverage using 1/2" notched trowel is approx. 50 sq. ft per 50#. Estimated embedded fabric coverage is approx. 75— 100 sq. ft. per 50#.

## PACKAGING

50 lb. bags. Cement gray color

**WARNINGS** Contains Portland cement: avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush with plenty of water for 15 minutes. Consult a physician immediately. Keep out of reach of children. Contains free silica - DO NOT breathe dust, May cause delayed lung injury. Follow OSHA safety and health standards for crystalline silica (quartz). See material safety data sheet for detailed information.

## **TECHNICAL DATA**

### **Compressive Strength**

#### **ASTM C-109**

<b>1 day</b>	1100 PSI
<b>7 days</b>	2870 PSI
<b>28 days</b>	4250 PSI

#### **Splitting Tensile ASTM C-496**

<b>28 days</b>	495 PSI
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#### **Flexural Strength ASTM C-78**

<b>28 days</b>	800 PSI
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#### **Bond Strength ASTM C-882To Concrete**

<b>28 days</b>	350 PSI
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