

MASTERTOP® 110 UNDERLAYMENT

Economical, Self-Leveling Cementitious Floor Underlayment

IMPORTANT: READ THIS FIRST

Master Builders, Inc. does not warrant the performance of this product unless the instructions of this document and other related Master Builders documents are adhered to in all respects.

PREJOB CONSIDERATIONS:

Be certain drywall is in place and taped.

Subfloor should be properly constructed (i.e. proper thickness and grade of substrate).

SURFACE PREPARATION:

Substrate must be sound, clean and free of oil, sealers, curing compounds, cutback, paint, polymer coatings, dust or other foreign (bond breaking) matter. Remove all weak or broken pieces of concrete. Employ mechanical cleaning equipment such as sandblasting, shotblasting, or hydroblasting to obtain adequate surface preparation.

Joints and cracks should be filled (grouted) to prevent seepage through to bottom areas. Consult with your Master Builders representative for product recommendations.

NOTE: Joints should always be cut in toppings directly above those in the base slab to avoid random cracking.

APPLICATION:

PRIMING: Dilute M.B. Primer 1:1 with water and apply to properly prepared substrate using a push broom. One gallon (3.6 L) of diluted M.B. Primer will cover approximately 350 to 400 ft² (32 to 37 m²) of floor surface. Apply a thin film of mixed primer, avoid puddling of primer, allow primer to dry completely to a blue film 3 to 4 hours at 70 °F (21 °C) and 50% relative humidity. The primer will re-emulsify when in contact with the wet material, therefore the primed surface may be left for up to 3 days without repriming.

IMPORTANT: Primer must be dry prior to application of MASTERTOP 110 UNDERLAYMENT. If concrete is extremely porous, two coats of primer may be necessary. The surface must remain clean and free of any debris. If area becomes dirty or contaminated the surface must be cleaned and reprimed.

MIXING:

Add the MASTERTOP 110 UNDERLAYMENT to the water - (not "water to material"). Mix 5.5 qt (5.2 L) of clean, drinkable water to a 50 lb (22.7 kg) bag of material. The best way to evaluate flow consistency is to measure with a flow ring. Based on flow test using a 7/8 in. (21 mm) high, 2 inch (5 cm) inside diameter PVC pipe. The optimal flow is 5-1/2 to 6-1/2 in. (14 cm to 16 cm). Mix with high shearing action such as a drill with jiffiler blade at 600 rpm for 3 to 5 minutes. For larger jobs a ChemGrout GC-550 Mixer/Pump has been found to be a suitable mixer and pump.

Prior to the actual job it is strongly advised to do trial mixes to familiarize the applicator with the product in relation to local job conditions. Do not add water in amounts or temperatures in which segregation or bleeding will occur. Once the water content is determined use a calibrated bucket with holes drilled at the proper height to spill out excess to maintain a constant water content.

PLACING: Pour the product over the prepared substrate or pump through a suitable pump (i.e. ChemGrout) to desired thickness, not less than 1/8 in. (3 mm). Depths greater than 1/2 in. (13 mm) should be avoided if using the product unextended. Do not coax. MASTERTOP 110 UNDERLAYMENT will seek its own level in approximately 15 minutes at 70 °F (21 °C). For hard to reach areas and touch-ups, a spreader or come-along may be used.

PRECAUTIONS:

- DO NOT apply MASTERTOP 110 UNDERLAYMENT:
 - over fresh, plastic concrete
 - over wood
 - outdoors or anywhere exposed to rain or snow
 - indoors where exposed to standing water
- For placement over substrates not mentioned on this sheet, consult your local Master Builders representative
- Use only clean, drinkable water when mixing MASTERTOP 110 UNDERLAYMENT
- Do not use more than the recommended amount of water

IMPORTANT:

- This is a cementitious based product. Therefore; DO NOT install MASTERTOP 110 UNDERLAYMENT if base slab temperature is below 40 °F (5 °C). In warm weather, use cool water for mixing, proceed quickly with application and take adequate measures to protect MASTERTOP 110 UNDERLAYMENT from exposure to direct, strong sunlight and wind.
- It is highly suggested that a 10 ft x 10 ft test application be made to become familiar with specific product characteristics.
- When extending MASTERTOP 110 UNDERLAYMENT, mix product as directed above prior to adding prescribed amount of sand. Then, mix again to achieve a homogeneous mixture. Flow and compressive strengths can be lowered when product is extended.
- If MASTERTOP 110 UNDERLAYMENT begins to set prior to application, dispose of immediately. DO NOT attempt to retemper MASTERTOP 110 UNDERLAYMENT.
- Where possible and for ease and quality of installation, MASTERTOP 110 UNDERLAYMENT should be pumped according to pump manufacturer's directions.

PROTECTION:

Use polyethylene, tarps, etc. to protect set MASTERTOP 110 UNDERLAYMENT from exposure to rain, snow and other forms of moisture or water.

SEALING:

DO NOT APPLY A SEALER if bonding agents for tile, carpeting, etc. will later be applied. Sealers may act as a bond breaker.

WARNING: CEMENTITIOUS MATERIAL MAY CAUSE IRRITATION. AVOID CONTACT WITH EYES AND PROLONGED CONTACT WITH SKIN. IN CASE OF CONTACT WITH EYES, IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. IN CASE OF CONTACT WITH SKIN, WASH SKIN THOROUGHLY. KEEP PRODUCT OUT OF REACH OF CHILDREN.

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