

GYPSUM CEMENT UNDERLAYMENT

RECOMMENDED SPECIFICATION FOR GYP-CRETE 2000[®]/3.2K FLOOR UNDERLAYMENT OVER MAXXON[®] MOISTOP FOR OLD WOOD FRAME CONSTRUCTION

PART 1 GENERAL

1.01 SUMMARY

- A. This is the recommended specification for Gyp-Crete 2000/3.2K Floor Underlayment over Maxxon Moistop for old wood frame construction.

1.02 SECTION INCLUDES

- A. Gyp-Crete 2000/3.2K gypsum cement
- B. Maxxon Floor Primer
- C. Maxxon Overspray
- D. Maxxon Moistop
- E. Reinforcement Mesh

1.03 QUALITY ASSURANCE

- A. Installer's Qualifications: Installation of Gyp-Crete 2000/3.2K shall be by an applicator authorized by the Maxxon Corporation using Maxxon approved mixing and pumping equipment.

1.04 DELIVERY, STORAGE AND HANDLING

- A. General Requirements: Materials shall be delivered in their original, unopened packages, and protected from exposure to the elements. Damaged or deteriorated materials shall be removed from the premises.

1.05 SITE CONDITIONS

- A. Environmental Requirements: Before, during and after installation of Gyp-Crete 2000/3.2K and Maxxon Moistop, building interior shall be enclosed and maintained at a temperature above 50 degrees F (10 degrees C).

PART 2 PRODUCTS

2.01 MATERIALS

- A. Gypsum Cement: Floor underlayment Gyp-Crete 2000/3.2K gypsum cement as manufactured by Maxxon Corporation, Hamel, MN.
- B. Sand Aggregate: Sand shall be 1/8 inch (3 mm) or less, washed masonry or plaster sand, meeting requirements of Maxxon Corporation Sand Specification 101.
- C. Maxxon Moistop: Fiberglass reinforced membrane coated on both sides with polyethylene.
- D. Mix Water: Potable, free from impurities.

- E. Subfloor Primer: Maxxon Floor Primer, a special Ethylene Vinyl Acetate Copolymer Emulsion.
- F. Sealer: Maxxon Overspray
- G. Reinforcement mesh: Galvanized metal lath (1.75, 2.5 or 3.4 lbs./sq.yd.) or Maxxon Plastic Net.

2.02 MIX DESIGNS

- A. General Requirements: Mix proportions and methods shall be in strict accordance with product manufacturer recommendations.

PART 3 EXECUTION

3.01 PREPARATION

- A. Condition and Cleaning of Subfloor: Subfloor shall be structurally sound. General Contractor shall clean subfloor to remove mud, oil, grease, and other contaminating factors before arrival of the Gyp-Crete 2000/3.2K underlayment crew.
- B. Leak Prevention: Fill cracks and voids with a quick setting patching or caulking material where leakage of Gyp-Crete 2000/3.2K could occur.
- C. Maxxon Moistop Installation: Roll out Moistop across the entire old wood subfloor overlapping joints approximately 6 inches (152 mm). Secure Moistop using a frequency of staples to adequately pull the Moistop tight to the wood subfloor. Overlap must be stapled every 4 – 6 inches (101 mm to 152mm) to maintain a tight seam. Floor penetration should be filled or caulked.
- D. Priming Subfloor: Prime the subfloor using the Maxxon Floor Primer.
- E. Reinforcement Mesh: Maxxon underlayment is applied 1 ¼ inches (32 mm) minimum over Moistop without reinforcement. For underlayment pours of ¾ inch (19 mm) minimum up to 1¼ inches (32 mm), galvanized metal lath (1.75, 2.5 or 3.4 lbs./sq.yd.) must be laid across the entire floor, overlapped and stapled through Moistop to the wood subfloor.

3.02 APPLICATION OF CEMENTITIOUS FLOORING

- A. Scheduling: Application of Gyp-Crete 2000/3.2K shall not begin until the building is enclosed, including roof, windows, doors, and other fenestration. Install after drywall installation.
- B. Application: Place Gyp-Crete 2000/3.2K 1 ¼ inches (32 mm) minimum over Moistop without reinforcement. For areas to receive ¾ inch (19 mm) minimum to 1 ¼ inches (32 mm) Gyp-Crete 2000/3.2K, reinforcement mesh must be installed over the Moistop per specification.
- C. Drying: General Contractor shall provide continuous ventilation and adequate heat to rapidly remove moisture from the area until the Gyp-Crete 2000/3.2K is dry. General Contractor shall provide mechanical ventilation if necessary. Under the above conditions, for 1 1/2 inch (38 mm) thick Gyp-Crete 2000/3.2K 10-14 days is usually adequate drying time. To test for dryness, tape a 24 inch by 24 inch (609 mm by 609 mm) section of plastic or high density rubber mat to the surface of the underlayment. After 48-72 hours, if no condensation occurs, the underlayment shall be considered dry. Perform dryness test 10-14 days after pour.

3.03 PREPARATION FOR INSTALLATION OF GLUE DOWN FLOOR GOODS

- A. Sealing: Seal all areas that receive glue down floor goods with Maxxon Overspray according to the Maxxon Corporation's specifications. Any floor areas where the surface has been damaged shall be cleaned and sealed regardless of floor covering to be used. Where floor goods manufacturers require special adhesive or installation systems, their requirements supersede these recommendations.
- B. Floor Goods Procedures: See the Maxxon Corporation's "Procedures for Attaching Finished Floor Goods to Maxxon Underlayments" brochure for guidelines for installing finished floor goods. This procedure is not a warranty and is to be used as a guideline only.

3.04 FIELD QUALITY CONTROL

- A. Slump Test: Gyp-Crete 2000/3.2K mix shall be tested for slump as it's being pumped using a 2 inch by 4 inch (50 mm by 101 mm) cylinder resulting in a patty size of 8 inches (203 mm) plus or minus 1 inch (25 mm) diameter.
- B. Field Samples: At least one set of 3 molded cube samples shall be taken from each day's pour during the Gyp-Crete 2000/3.2K application. Cubes shall be tested by the Maxxon Corporation in accordance with ASTM C 472. Test results shall be available to architect and/or contractor upon request from applicator.

3.05 PROTECTION

- A. Protection From Heavy Loads: During construction, place temporary wood planking over Gyp-Crete 2000/3.2K wherever it will be subject to heavy wheeled or concentrated loads.

END OF SECTION