GYP-CRETE®
FOR MULTIFAMILY SOUND AND FIRE CONTROL

FIRE & SOUND PROTECTION
Gyp-Crete® Floor Underlayment is one of the most efficient fire and sound control products available. In wood frame and concrete projects, Gyp-Crete makes for safer, quieter living.

Gyp-Crete is mixed on-site and pumped onto a structurally sound, broom-clean subfloor. It fills the space where the wallboard meets the floor, completely sealing room perimeters, protecting the base plates from the spread of fire. It reduces smoke leaks, too.

Gyp-Crete also reduces horizontal and vertical sound transmission. For combined fire and sound ratings over a variety of assemblies, refer to the International Code Council’s Evaluation Report ESR-2540 or UL ER 8477-01.

QUALITY ON EVERY POUR
Gyp-Crete sets up quickly. It can be walked on after 90 minutes, allowing other light subtrades to begin the next day. It has a flat, non-dusting surface with no shrink cracking – ideal for virtually any floor covering.

Gyp-Crete is an eco-friendly building product, and meets the stringent VOC requirements of GREENGUARD Gold Certification.

With more than 4 billion square feet of installation experience, Gyp-Crete dealers know how to deliver quality.

Specify Gyp-Crete Floor Underlayment for performance and value — from Maxxon®, the Floor Specialists.
CONTROLLING MOISTURE LEVELS

Often stored in damp conditions, building products may arrive on site laden with moisture that releases after installation. Outside sources such as rain, snow, wind, and temperature changes can also contribute to moisture build-up in the building. The general contractor/project superintendent must provide and maintain correct environmental conditions to keep the building clean and dry, and protect against mold growth. It is the responsibility of the floor goods installer to determine the compatibility of their product with a particular floor underlayment.

LIMITATIONS

1. The typical maximum depth of Gyp-Crete is 3” (76 mm). For depths greater than 3” (76 mm), contact an authorized dealer.

2. All materials above crawl spaces must be protected by a vapor barrier.

3. During construction, place temporary wood planking over underlayment wherever it will be subjected to heavy wheeled or concentrated loads.

4. Gyp-Crete is not designed to be installed on or below grade, except over well-drained structural substrates.

5. Gyp-Crete cannot resist stresses caused by structural movement.

6. The structural floor should be adequate to withstand design loads with deflection limitations of L/360. The structural subfloor and floor joist must both comply with manufacturers’ maximum span criteria. Typically a deflection limitation of L/360 is adequate for Maxxon Underlayments. Some floor coverings may require a stiffer floor system. Maxxon Underlayments are non-strutural and therefore cannot be expected to reinforce structurally deficient floors. Some allowances should be made for expected live, concentrated, impact, and/or dead loads including the weight of finished floor goods and setting beds.

7. Additional consideration should be taken for concentrated/dynamic loads. U.S. building codes typically specify a uniform live load of 40 pounds per square foot for residential floor designs. This load is intended to account for large loads that can occur in a building. In reality these loads are not uniform, but rather consist of items such as furniture and appliances that actually induce concentrated loads for exceeding 40 lbs per sq ft. Rolling concentrated loads such as office chairs, wheel chairs, and motorized scooters add turning, twisting, repetition, and other dynamics which should also be taken into consideration. Determining the appropriate structural design of the floor is not the responsibility of Maxxon nor the Maxxon applicator.

8. Gyp-Crete should not be directly applied to a plastic vapor barrier.

9. Maxxon Underlayments are “breathable” and not a vapor barrier. The general contractor/project superintendent, architect, specifier, or building owner shall test slabs-on-ground or elevated slabs for MVER (ASTM F1869-09) or RH (ASTM F2170). If the MVER or RH of the concrete substrate exceeds the floor covering manufacturer’s respective requirements for the finished flooring system, the concrete must be treated with a moisture vapor barrier, such as Maxxon DPM or Maxxon MFP, before installation of a Maxxon Underlayment.

ACOUSTICAL PERFORMANCE

The acoustical performance of all Maxxon Underlayments is similar. Visit www.MaxxonCorporation.com or contact Maxxon Corporation for reports.

CODE LISTINGS

ICC ECE Evaluation Report ESR-2540 and UL ER E8477-01 for fire and sound codes. Contact Maxxon Corporation for major city approvals.

GREENGUARD Certification and GREENGUARD Gold Certified.

*DRYING CONDITIONS

Maxxon Underlayments are integrally and provide no source of nutrients to sustain mold growth. Prolonged contact of moisture with other construction materials, however, can result in mold growth. To avoid growth of mold on construction materials such as wallboard, drywall compound and even slate, it is vital to maintain a low relative humidity both before and after placement of Maxxon Underlayments. The general contractor/project superintendent must provide and maintain correct environmental conditions to keep the building clean and dry, and protect against infiltration of moisture from a variety of potential sources. Moisture can be introduced by other trades through spigots, tracked in mud and sand, plumbing leaks, etc. Often stored in damp conditions, building products may arrive on site laden with moisture that releases after installation. Outside sources such as rain, snow, wind, etc. can also increase moisture levels.

Controlling moisture levels in the building, through appropriate trade sequencing and prevention of potential damage by other trades, is the responsibility of the general contractor/project superintendent. The general contractor/project superintendent must supply mechanical ventilation and heat if necessary. These controls fall under the scope of work of the general contractor/project superintendent — not Maxxon Corporation or the Maxxon Underlayment installer. See Maxxon Building Conditions Guide for additional information.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Compressive Strength</td>
<td>Up to 2,200 psi (15.2 MPa)</td>
</tr>
<tr>
<td>“K” Factor</td>
<td>4.75 (Btu•h)/(f•°F) (6,840 W/m°C)</td>
</tr>
<tr>
<td>Specific Heat</td>
<td>0.223 Btu/lb•°F at 85 °F (9343 kJ/kg•°C) at 29.44 °C</td>
</tr>
<tr>
<td>Weight</td>
<td>At 3/4”, 6.9 lbs (At 19 mm, less than 31.8 kg/m²)</td>
</tr>
<tr>
<td>Dry Density</td>
<td>110 lbs/ft³ (1,762 kg/m³)</td>
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<tr>
<td>Point Loading</td>
<td>Up to 2,200 lbs on a 1” (998 kg on a 25 mm) diameter disc</td>
</tr>
<tr>
<td>Fire Performance</td>
<td>ASTM E-84</td>
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<tr>
<td>Fuel Consumption</td>
<td>0</td>
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<tr>
<td>Smoke Density</td>
<td>0</td>
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<tr>
<td>Flame Spread</td>
<td>0</td>
</tr>
<tr>
<td>VOC Emissions</td>
<td>GREENGUARD and GREENGUARD Gold Certified</td>
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INSTALLATION METHODS

Consult your authorized Maxxon dealer for the appropriate mix design and compressive strength to meet the needs of your project.

The minimum thickness of Gyp-Crete over wood subfloors varies with the type of floor system used. Minimum wood frame construction is agency-approved 19/32” (15 mm), 40/20 veneer and nonveneer subfloor panels. Preferred wood frame construction is 3/4” (19 mm) Gyp-Crete over 3/4” (19 mm) tongue-and-groove, agency-approved subfloor with joists, truss or beam spacings of 16” to 24” (406 mm to 610 mm) c.c.

Continuous ventilation and adequate heat should be provided to rapidly remove moisture from the area until underlayment is dry. The general contractor/project superintendent must supply mechanical ventilation and heat if necessary. Under the above conditions, 3/4” (19 mm) thickness drying time is usually 5 to 7 days. Reference the Building Conditions Guide brochure for complete installation guidelines.

Gyp-Crete requires a floor covering. Contact your authorized dealer for recommendations for adhering floor goods, or contact Maxxon Corporation for a copy of the Brochure Procedures for Attaching Finished Floor Coverings to Maxxon Underlayments. It is the responsibility of the floor goods installer to determine the compatibility of their product with a particular floor underlayment.

WARRANTY

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TESTING

Compressive strength testing must be performed in accordance with modified ASTM C472. Before independent sampling, contact the Maxxon Quality Assurance Department to ensure that proper procedures are followed.

WARRANTY

See our website for complete warranty information.

LEED® INFORMATION

For information regarding how Gyp-Crete may help contribute toward points for LEED project contribution, contact your Regional Representative at (800) 356-7887 or visit www.maxxon.com/go_green.

For more info: 800-356-7887
Email: info@maxxon.com
www.Maxxon.com

Another superior product from:
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