WHEN IT COMES TO HIGH STRENGTH UNDERLAYMENTS, ONE COMPANY WROTE THE BOOK

MAXXON

• MULTIFAMILY
• COMMERCIAL
• SINGLE FAMILY
• RENOVATION
• UNDERLAYMENTS
• SOUND CONTROL MATS
• SURFACE APPLIED MOISTURE VAPOR TREATMENTS

GREEN FORMULATIONS
THE ONLY UNDERLAYMENTS WITH GREENGUARD® CERTIFICATION
SEE PAGE 12

STEEL JOIST/METAL DECKING
1 & 2 HOUR FIRE RATING
SEE PAGES 6 & 7

www.Maxxon.com
Since gypsum first met sand in 1972, Gyp-Crete, now Maxxon Corporation, has provided superior underlayment products for solving virtually any floor problem. Maxxon not only started the industry, but continues to lead it with high quality “eco-friendly” building products, training, research and expert installation by a North American network of authorized dealers.

FEATURES/BENEFITS

- Smooth, flat surface
- Fire resistant — over 100 UL Fire Designs
- Better sound control
- Efficient application and fast drying time
- VOC Free — Safe for all occupants
- Won’t delaminate or shrink crack

APPLICATIONS

MULTIFAMILY

Sound and fire control are the primary reasons for specifying Gyp-Crete 2000®/3.2K in multifamily designs, but general contractors also prefer our underlayments for their quick installation, fast drying time and minimum preparation requirements. Gyp-Crete 2000®/3.2K, Dura-Cap® and Commercial Topping® are the higher strength, faster drying choices for areas that will receive glued-down floor goods. A six-person crew can pour up to 40,000 square feet (3,716 m²) in a single day. And with our fast set time, other light subtrades can be scheduled within 24 hours.

RENOVATION

Gyp-Crete 2000®/3.2K, Dura-Cap, and Commercial Topping take worn, uneven floors and make them flat and smooth. Poured from a featheredge to three inches deep, they fill cracks and voids left after walls are removed and are perfect for renovations over wood,* concrete and old floor coverings.

COMMERCIAL

Dura-Cap and Commercial Topping Floor Underlayments make any irregular or damaged concrete floor look new. They can spot-patch depressions or smooth an entire floor. Plus they attain compressive strengths of up to 4,500 psi (31.0 MPa). Dura-Cap and Commercial Topping are also the high-strength solution over steel decking in steel frame construction. For new wood-frame commercial buildings, Gyp-Crete 2000®/3.2K, Dura-Cap and Commercial Topping provide strong underlayment options.

SINGLE FAMILY

Builders appreciate Gyp-Crete 2000®/3.2K because it won’t warp or delaminate like plywood, and it helps eliminate squeaks and nail pops. Homeowners like Gyp-Crete 2000®/3.2K because it makes their homes more energy efficient, fire resistant and comfortable. And because it seals the base of every room, it helps keep out insects and other pests. For homeowners who opt for radiant floor heating, Thermo-Floor® is the underlayment of choice. It provides all the benefits of Gyp-Crete 2000®/3.2K, plus special additives to meet the demands of this popular heating system.

SELF-LEVELING APPLICATIONS

Level-Right® Self-Leveling Floor Underlayment is ideal for floors that need a fast facelift. With compressive strengths up to 5,500 psi (37.9 MPa), it can be poured from a featheredge to deepfill, providing a smooth, level new surface that dries quickly and can be walked on in just two hours.

Level-One EZ is a pre-sanded solution for commercial leveling projects. Created in partnership with the leader in the moisture industry, Aquafin. Level-One EZ requires no mechanical preparation for most applications. Just clean, prime and pour!

* Wood subfloors require minimum thickness of 3/4” underlayment.
CHOOSING THE RIGHT FLOOR UNDERLAYMENT

<table>
<thead>
<tr>
<th>TYPE OF APPLICATION</th>
<th>TYPE OF SUBFLOOR</th>
<th>GYP-CRETE</th>
<th>GYP-CRETE 2000/3.2K</th>
<th>THERMA-FLOOR</th>
<th>DURACAP</th>
<th>COMMERCIAL TOPPING</th>
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- ● Recommended product.
- ▼ Acceptable alternative.
- ■ Upgrade alternative. Consult your Maxxon dealer.

GYP-CRETE

Gyp-Crete Floor Underlayment is one of the most efficient fire and sound control products available for multifamily construction. Standing the test of time since 1972, Gyp-Crete makes for safer, quieter living, and has become a standard in apartments, condominiums, townhomes, hotels and motels nationwide.

GYP-CRETE 2000/3.2K

Engineered to deliver compressive strengths up to 3,200 psi (22.1 MPa), Gyp-Crete 2000/3.2K also delivers enhanced resistance to surface abrasion and even faster drying time than Gyp-Crete. It’s ideal for use over wood or concrete subfloors in single family, multifamily and light commercial construction, as well as renovation projects. Its surface provides a perfect base for practically any floor covering.

THERMA-FLOOR

Thermo-Floor is a gypsum underlayment designed to pour over hot water tubes or electric heating cables. It acts as the thermal mass for any radiant floor system. Thermo-Floor encases the tubes or cables in non-combustible gypsum. Its special formula resists breakdown to 150 °F (66 °C). Because it’s poured at a minimum of 1¹⁄₄" (32 mm) thick, the heating system is more stable and your home more comfortable.

www.Maxxon.com
### MAXXON FLOOR UNDERLAYMENTS TECHNICAL DATA

<table>
<thead>
<tr>
<th>USES</th>
<th>GYP-CRETE</th>
<th>GYP-CRETE 2000/3.2K</th>
<th>THERMA-FLOOR</th>
<th>DURA-CAP</th>
<th>COMMERCIAL TOPPING</th>
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<tbody>
<tr>
<td></td>
<td>Multifamily</td>
<td>Multifamily, Light Commercial, Single Family</td>
<td>Radiant Floor Heating</td>
<td>Commercial, Multifamily</td>
<td>Commercial, Institutional</td>
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<tr>
<td>COMPRESSION STRENGTH</td>
<td>Up to 2,000 psi (15.2 MPa)</td>
<td>Up to 3,200 psi (22.1 MPa)</td>
<td>Typical range of 2,000 to 3,000 psi (13.8–20.7 MPa)</td>
<td>Typical range of 2,500 to 4,000 psi (17.2–27.6 MPa)</td>
<td>Typical range of up to 4,500 psi (31.0 MPa)</td>
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<tr>
<td>“K” FACTOR</td>
<td>4.75 [Btu•in]/(h•ft²•°F) (6840 W/(m²•°C))</td>
<td>5.15 [Btu•in]/(h•ft²•°F) (7416 W/(m²•°C))</td>
<td>4.96 [Btu•in]/(h•ft²•°F) (7142 W/(m²•°C))</td>
<td>4.76 [Btu•in]/(h•ft²•°F) (6854 W/(m²•°C))</td>
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<td>SPECIFIC HEAT</td>
<td>223 Btu/[lb•°F] at 85 °F (9343 kJ/[kg•°C] at 29.44 °C)</td>
<td>222 Btu/[lb•°F] at 85 °F (9301 kJ/[kg•°C] at 29.44 °C)</td>
<td>224 Btu/[lb•°F] at 85 °F (9385 kJ/[kg•°C] at 29.44 °C)</td>
<td>229 Btu/[lb•°F] at 85 °F (9595 kJ/[kg•°C] at 29.44 °C)</td>
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<td>WEIGHT (approximate)</td>
<td>3/4” 6.9 lbs/ft³ (33.7 kg/m³) 9.2 lbs/ft³ (44.9 kg/m³) 13.8 lbs/ft³ (67.4 kg/m³)</td>
<td>3/4” 7.2 lbs/ft³ (35.2 kg/m³) 9.6 lbs/ft³ (46.9 kg/m³) 14.0 lbs/ft³ (70.3 kg/m³)</td>
<td>3/4” 7.2 lbs/ft³ (35.2 kg/m³) 9.6 lbs/ft³ (46.9 kg/m³) 14.4 lbs/ft³ (70.3 kg/m³)</td>
<td>3/4” 7.2 lbs/ft³ (35.2 kg/m³) 9.6 lbs/ft³ (46.9 kg/m³) 14.4 lbs/ft³ (70.3 kg/m³)</td>
<td>1/2” 5.2 lbs/ft³ (25.4 kg/m³) 7.8 lbs/ft³ (38.1 kg/m³) 10.4 lbs/ft³ (50.8 kg/m³) 15.6 lbs/ft³ (76.2 kg/m³)</td>
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<td>DRY DENSITY</td>
<td>110 lbs./ft³ (1,762 kg/m³)</td>
<td>115 lbs./ft³ (1,842 kg/m³)</td>
<td>115 lbs./ft³ (1,842 kg/m³)</td>
<td>115 lbs./ft³ (1,842 kg/m³)</td>
<td>125 lbs./ft³ (2,002 kg/m³)</td>
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<td>SURFACE BURNING CHARACTERISTICS (ASTM E84)</td>
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<td>Flame spread: 0 Fuel contributed: 0 Smoke density: 0</td>
<td>Flame spread: 0 Fuel contributed: 0 Smoke density: 0</td>
<td>Flame spread: 0 Fuel contributed: 0 Smoke density: 0</td>
<td>Flame spread: 0 Fuel contributed: 0 Smoke density: 0</td>
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</table>

* Wood subfloors require minimum thickness of 3/4” underlayment.

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**DURA-CAP**

To smooth concrete slabs, precast planks, or steel deck, use Dura-Cap®. It’s formulated to cap rough, pitted, cracked and out-of-level concrete. And with a compressive strength of up to 4,000 psi (27.6 MPa), Dura-Cap meets ASTM F710, “Preparing Concrete to Receive Resilient Flooring.” In renovation projects, it can be poured directly over old tile and adhesive residue. Gyp-Crete 2000/3.2K and Dura-Cap can also be used over vinyl asbestos tile. Consult your Maxxon dealer for more details on this safe and extremely cost-effective method of abatement.

**COMMERCIAL TOPPING**

Fast drying Commercial Topping is poured from a featheredge* to 3” (76 mm) in new construction or renovation projects. With compressive strengths of up to 4,500 psi (31.0 MPa), it’s the ideal underlayment to meet ASTM F710, “Preparing Concrete to Receive Resilient Flooring.” Plus it pours over VAT, VCT, terrazzo or ceramic, with no shotblasting required. For the ultimate strong, smooth finish over concrete, precast, steel deck, wood frame, and old, cracked lightweight, specify Commercial Topping.

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Maxxon gypsum underlayments retain their strength when re-dried after being immersed in water for 30 days. Gyp-Crete Performance Test, Telco Report #9-018.
PROJECT SPOTLIGHTS

KRJ BUILDING
NORTH FARGO, ND

Contractor: MBA Development, Co.
Architect: Mutchler Bartram Architects
Scope: Gyp-Crete 2000®/3.2K poured as a leveling layer, 9,000 sq. ft. of Acousti-Mat® 3/8 Premium topped with Gyp-Crete 2000/3.2K poured at a depth of 1 5/8”

LAMPWORK LOFTS
OAKLAND, CA

Contractor: DCI Construction
Architect: Levy Design Partners, Inc.
Scope: 86,000 sq. ft. of Acousti-Mat® 3/4 and Maxxon Reinforcement topped with 1 1/2” of Commercial Topping®. Sealed with Thermal-Chem’s DecoWear system.

* Wood subfloors require minimum thickness of 3/4” underlayment.
I-JOIST

2X10 DIMENSIONAL JOISTS WITH TYPE "X" GYPSUM BOARD

For specific construction details related to each UL Code, please refer to the intended code’s specification, which can be found at www.UL.com and www.UL.com/canada/eng/pages.
# LIGHT GAUGE STEEL JOIST CONSTRUCTION

**Steel Joist/Corrugated Steel Deck**

1. **1, 1/2, 2, 3 HR**
   - Volcraft Steel Deck
   - G560

2. **1, 2 HR**
   - Clark/Deitrich Joist
   - G551, G553, G560*

3. **1, 2 HR**
   - Gateway Joist
   - G566

4. **1, 2 HR**
   - Marino\WARE Joist
   - G597

5. **2 HR**
   - Gateway Joist
   - G563

6. **2 HR**
   - CEMCO Joist
   - G574

*Now includes 6" and 8" C Joists. For more information contact Maxxon Corporation.

**Steel Joist/Plywood or OSB**

1. **1 HR**
   - Drywall Screwed Direct
   - L524

2. **1 HR**
   - Independent Rafter Ceiling
   - L543

3. **1 HR**
   - w/ Viroc Subfloor
   - L564

4. **1 HR**
   - w/ Insulation & Resilient Channel
   - L565, L567, M505, M513

5. **1/2 HR**
   - w/ Resilient Channel & 2 Layers of Drywall
   - L527

6. **2 HR**
   - w/ 4 Layers of Drywall
   - L556

**TotalJoist™ by iSPAN®**

1. **1 HR**
   - Plywood, OSB or Steel Deck
   - M511

2. **1 HR**
   - Plywood, OSB
   - M515

3. **ULC**
   - Plywood, OSB or Steel Deck
   - M520

4. **ULC**
   - Steel Deck
   - M521

5. **ULC**
   - 1/2, 2 HR
   - Steel Deck
   - L530

6. **UL**
   - 2 HR
   - Steel Deck
   - G587

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# PRECAST CONCRETE

**2 HR**

1. **1/2, 2, 3, 4 HR**
   - J917, J927

2. **2, 3 HR**
   - J920, J931, J957, J958

3. **2, 3, 4 HR**
   - J919, J924

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# LIGHT GAUGE STEEL WEB TRUSS

**Batt Insulation**

1. **3/8" (19 mm) min. Maxxon® Underlayment**

**Resilient Channel**

1. **7" (178 mm) min. Light Gauge Steel Web Truss**

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# PRESCIENT® STEEL DECK

**1, 2 HR**

1. **1/2, 2 HR**
   - G592

2. **1/2, 2 HR**
   - H502

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# CLT (CROSS LAMINATED TIMBER)

**2 HR**

1. **1/2, 2 HR**
   - M533

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*Now includes 6" and 8" C Joists. For more information contact Maxxon Corporation.*
### FIRE RATINGS

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</table>

** Fire ratings based on UL Design.

### Other fire tests where Maxxon Underlayment have been used:
- JTS (Oakwood Heavy Test #200506454 Nasco®) 1 Wood Joist
- WHY-684209 Warner重型1 Hour Bar Joist 1 Bar Joist
MAXXON UNDERLAYMENTS

GENERAL
ENVIRONMENTAL CONDITIONS — Maxxon Underlayments are for interior use only and should not be poured directly over a plastic vapor barrier. Before, during and after installation, building interior shall be enclosed and maintained at a temperature above 50 °F (10 °C).

SUBFLOOR REQUIREMENTS — The wood or concrete subfloor shall be structurally sound, broom clean and contaminant free. The subfloor must be adequate to withstand live and dead loads with a deflection limitation of L/360.* Before installation, the general contractor shall inspect the wood floor for proper fastening. Any wood weakened or delaminated during construction shall be replaced. Studded wall baseplates in doorways and other openings are to be removed.

METHODS OF INSTALLATION

GYP-CRETE® AND GYP-CRETE 2000®/3.2K — With both Gyp-Crete and Gyp-Crete 2000/3.2K it is preferred to be poured after the drywall is installed. If it is necessary to pour before drywall installation, Gyp-Crete 2000/3.2K should be used. The minimum thickness varies with the type of floor system:

- **Minimum wood frame construction is agency-approved 19/32” (15 mm), 40/20 veneer and non-veneer wood subfloors.**
- **Preferred wood frame construction for Maxxon Underlayment is 3/4” (19 mm) tongue-and-groove, agency-approved subfloor with truss, joist or beam spacings of 16” to 24” (406 mm – 610 mm) on-center.**
- **Over concrete, the minimum thickness of Gyp-Crete is 1/2’ (13 mm). For Gyp-Crete 2000/3.2K, the minimum thickness is usually 3/8” (10 mm). However, it can be featheredged. Contact Maxxon’s Technical Department for application details.**

DURA-CAP® AND COMMERCIAL TOPPING® — Dura-Cap and Commercial Topping can be poured before or after drywall installation:

- **Over concrete, the minimum thickness is usually 3/8” (10 mm). However, it can be featheredged. Contact Maxxon’s Technical Department for application details.**
- **Over wood frame construction, the minimum thickness is 3/4” (19 mm).**
- **Over galvanized corrugated steel deck, underlayment is poured 1” (25 mm) over the top of the flutings, average pour thickness is 1 1/16” (40 mm).**

THERMA-FLOOR® — The thickness of Thermo-Floor varies with the type of radiant floor heating system. Thermo-Floor is poured to a depth that is 3/4” (19 mm) above the tops of the tubes or cables. It can be poured before or after drywall is installed.

PRODUCT THICKNESS OVER WOOD SUBFLOORS

<table>
<thead>
<tr>
<th>SUBFLOOR THICKNESS</th>
<th>TRUSS, BEAM OR JOIST SPACING</th>
<th>MINIMUM THICKNESS OF UNDERLAYMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>19/32” (15 mm) [5/8”]</td>
<td>16-19 2” o.c. (406-487 mm)</td>
<td>3/4” (19 mm)</td>
</tr>
<tr>
<td>19/32” (15 mm) [5/8”]</td>
<td>19-24” o.c. (487-610 mm)</td>
<td>1” (25 mm)</td>
</tr>
<tr>
<td>23/32” (19 mm) [3/4”]</td>
<td>16-24” o.c. (406-610 mm)</td>
<td>3/4” (19 mm)</td>
</tr>
</tbody>
</table>

DRIYING CONDITIONS

Before, during and after installation of a Maxxon Underlayment, building interior shall be enclosed and maintained at a temperature above 50 °F (10 °C) until structure and subfloor temperatures are stabilized.

Maxxon Underlayments are inorganic 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 dust, 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 infestation of moisture from a variety of potential sources. Moisture can be introduced by other trades through spillage, tracked into mud and rain, 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, who must supply mechanical ventilation and heat if necessary. Fast-track projects need to account for adequate dry time. These controls fall under the scope of work of the general contractor/project superintendent — not Maxxon Corporation nor the Maxxon Underlayment installer. For complete information on drying conditions, request a copy of Maxxon’s Building Conditions Guide.

TESTING

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

ACOUSTICAL PERFORMANCE

The authors of the International Building Code, the International Code Council, released an Acoustical Guideline to supplement the current code. ICC G2-2010 Acoustics recommends two grades of acoustical performance beyond the current code minimum — acceptable (52 F-IIC/F-STC) and preferred (57 F-IIC/F-STC), both which exceed the current code minimums. As the guideline referenced above points out, it is expected that tenants of entry level apartments, market rate apartments, luxury level apartments, and condominiums will all have different acoustic expectations for their units. For more information, request a copy of Maxxon’s Superior Sound Control Systems brochure. Maxxon Corporation has performed hundreds of sound tests on Maxxon gypsum cement underlayments. Each was performed by recognized testing agencies over a wide variety of floor/ceiling assemblies. The acoustical performance of all Maxxon Underlayments are similar.

LIMITATIONS

During construction, the general contractor/project superintendent must place temporary wood planking over underlayment wherever it will be subjected to heavy wheeled or concentrated loadings. Maxxon Underlayments are not to be used on or below grade, except over well-drained structural substrates. They should also not be used in areas that have prolonged contact with water. The typical maximum depth for gypsum underlayments is 3” (76 mm). For depths greater than 3” (76 mm), contact your Maxxon dealer.

* For additional installation information, see page 12.
WITH MULTIPLE LEVELS OF SOUND CONTROL PERFORMANCE, MAXXON HAS THE RIGHT SOLUTION FOR YOUR PROJECT

Crossing your fingers and hoping your sound control specs deliver as promised is not a strategy for success. Unproven sound mitigating floor products may save you money today but cost you dearly down the road. Outdated and inconsistent testing standards add to the chaos. So, who do you turn to, to replace chaos with confidence? Maxxon’s Acousti-Mat is for professionals who build wood-frame, multifamily homes for the long haul. For professionals who live up to their promises. Professionals who consider performance as well as price. It’s why today, we’re leading the industry in developing consistent sound control standards, testing, education and training. And it’s why we offer an array of easy-to-select, proven solutions for virtually any application.

But we don’t stop there.

We back our products with resources that reflect your changing needs progressing through design to construction to completion. A partnership with Maxxon and Acousti-Mat results in more than peace and quiet. It results in peace of mind.

Acousti-Mat… Quiet Confidence.

SOUND CONTROL

MAXXON REINFORCEMENT & MAXXON® FIBERS

Project conditions such as potential movement of the subfloor — which could cause ceramic tile or other hard surface floor goods to crack — often require reinforcement of the underlayment. Maxxon Reinforcement and Maxxon Fibers provide a reliable and cost-effective alternative to traditional metal lath, which is difficult to install and has been rapidly increasing in cost. Maxxon Reinforcement and Maxxon Fibers can also reduce the depth of the underlayment over a sound control mat.

MAXXON REINFORCEMENT

- Excellent durability
- Light — easy to handle
- No memory (unlike metal lath)
- Dimensionally stable in hot weather; not brittle in cold
- Long rolls reduce installation cost (compared to conventional galvanized metal lath)
- Can be used over wood, concrete and precast plank or in conjunction with a sound control mat

MAXXON REINFORCEMENT MAY BE USED:

- To reduce underlayment thickness to 3/4” [19 mm] over Acousti-Mat 1/4, Acousti-Mat 1/4 Premium, Acousti-Mat 3/8 and Acousti-Mat 3/8 Premium
- As the reinforcement on an Acousti-Mat 3/4, Acousti-Mat 3/4 Premium or Double Mat system
- To reinforce underlayment in various specialty applications

MAXXON FIBERS

- Ideal for wood frame and multi family construction
- Excellent “no fuzz” finishability with improved impact resistance
- Provides multi-dimensional reinforcement
- Enhances durability and toughness of Maxxon Underlayment

SOUND CONTROL, SIMPLIFIED.

ACOUSTI MAT 3/4
ACOUSTI MAT 3/8
ACOUSTI MAT 1/4
ACOUSTI MAT 1/8

For additional impact sound control with no added height, the Acousti-Mat Premium line is available in 1/4, 3/8, and 3/4 thickness.
OF FLOOR CHALLENGES

LEVEL-RIGHT® SELF-LEVELER

From thin toppings to deepfill, Maxxon’s Level-Right® cementitious underlayment has you covered. Level-Right installs fast and can be walked on in as little as two to four hours. Level-Right allows you to pour up to 3” (76 mm) deep and can achieve compressive strengths up to 5,500 psi (37.9 MPa). Level-Right is ideal for large projects or small repair jobs, can be poured over concrete, old floor goods, adhesive residue and wood subfloors — often without shotblasting or scarifying.

LEVEL-RIGHT® LDF WHEN WEIGHT AND/OR DRYING TIME IS AN ISSUE

For deep fill applications, new Level-Right® LDF (Low Density Fill) has you covered. Level-Right LDF is a revolutionary, lightweight product (28-32pcf) made from a proprietary Portland cement and a proprietary expanded polystyrene foam aggregate. The aerated foam aggregate gives the cement a range of unique properties, making it perfect for deep fill applications. Level-Right LDF is ready–mixed cement designed to be capped with a Maxxon Underlayment. Mixed onsite and pumped using Maxxon Underlayment pumps, Level-Right LDF also pours directly over conduit, wires and pipes making installation quick and easy.

LEVEL-ONE™ EZ SELF-LEVELER

Level-One™ EZ is a polymer-modified, self-leveling cementitious underlayment engineered for leveling, smoothing and repairing interior gypsum and concrete substrates and non-water-soluble adhesive residue on concrete prior to the installation of finished floor coverings. Level-One EZ provides a durable, flat, smooth floor surface with minimum labor and installation time. It can be poured or pumped with water and seeks its own level to produce a smooth, flat hard surface.

MOISTURE VAPOR TREATMENTS

Where moisture vapor emissions can wreak havoc on your finished floor goods, you need a proven solution. AquaFin® VAPORIGHT COAT® SG2, SG3 and SG4 prevent the passage of water vapor and moisture through concrete floors and walls on or below grade. These surface applied vapor barriers can be installed in new concrete construction or in renovation projects. They can reduce moisture vapor emission rates of up to 25 lbs x 1000 s.f. to 3 lbs or less.
In today’s building market, architects, designers, and building owners alike want solutions that offer superior performance and make environmental sense. Maxxon Underlayments and Acousti-Mat Sound Control Mats meet the stringent emissions criteria of GREENGUARD and GREENGUARD Gold Certification established by UL Environment. This third party testing ensures that Maxxon products contribute to a healthier indoor air quality. Maxxon products featuring the Maxxon Green Mark contain pre-consumer recycled material and may help contribute toward points for LEED project certification.

FROM PAGE 9: INSTALLING MAXXON UNDERLAYMENTS

NOTES TO ARCHITECT

1. Specify Maxxon Underlayments in Section 03540 – Cementitious Underlayment, or Section 03 54 00 Cast Underlayment. Contact Maxxon Corporation for customized CSI formatted specifications.

2. Maxxon Underlayments cannot resist stresses caused by structural movement.

3. The structural subfloor and floor joist must comply with manufacturers’ maximum span criteria. Typically a deflection limitation of 1/360 is adequate for Maxxon Underlayments. Some floor coverings such as marble, stone, travertine, and ceramic tile may require a stiffer floor system. Maxxon Underlayments are non-structural and therefore cannot be expected to reinforce structurally deficient subfloors. The general contractor/project superintendent, architect, specifier, or building owner should make necessary allowances for expected live, concentrated, impact, and/or dead loads including the weight of finished floor goods and setting beds.

4. Additional consideration should be taken for concentrated/dynamic loads. 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 far 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.

5. Expansion joints in all types of work shall be brought through the underlayment.

6. Maxxon Underlayments require a floor covering. Contact your Maxxon dealer for recommendations for adhering floor goods. Call or write for a copy of the brochure Procedures for Attaching Finished Floor Goods to Maxxon Underlayments. It is the responsibility of the floor goods installer to determine the compatibility of their product with a particular floor underlayment.

7. When applying engineered wood floors follow the wood floor or adhesive manufacturer’s recommendations. When applying hardwood flooring follow NWFA/NOFMA installation recommendations.

8. Level-Right Self-Leveling Underlayments are the only recommended underlayments for gymnasium floors that are directly adhered. Dura-Cap, Commercial Topping and Level-Right are acceptable for wood gym floors using a sleeper system of attachment.

9. Maxxon Underlayments are not a vapor barrier. The general contractor/project superintendent, architect, specifier, or building owner shall test below grade, on grade, or elevated slabs for MVER (ASTM F1869-16) 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 should be treated with a moisture vapor barrier, such as Aquaplast VAPORTIGHT COAT SG2, SG3, or SG4, before installing a Maxxon Underlayment.

PRODUCT SUPPORT

Additional product literature and customized CSI formatted specifications are available upon request, or visit our website at www.maxxon.com.

WARRANTIES

See our website for complete warranty information.

CODE LISTINGS

Maxxon Floor Underlayment systems are recognized by ICC-ES Evaluation Reports ICC ESR-2540, ICC ESR-1141, ICC ESR-1153, ICC ESR-1774 and UL Evaluation Report E8477-01; U.S. Dept. of Housing and Urban Development 951i; City of Los Angeles, and are GREENGUARD Certified and GREENGUARD Gold Certified.

PRODUCT LITERATURE

Request the following literature to learn more about specific Maxxon Products.

- Available digitally
- Available in print