another superior product from MAXXON CORPORATION

STRONGER, TOUGHER, FASTER DRYING

GYP-CRETE 2000® 3.2K

GYP-CRETE 2000®/3.2K 2,000 – 3,200 PSI

With Gyp-Crete 2000/3.2K, we've raised more than the compressive strength — we've raised the bar on underlayment performance. Gyp-Crete 2000/3.2K delivers compressive strengths between 2,000 psi (13.8 MPa) and 3,200 psi (22.1 MPa), enhanced resistance to surface abrasion, and faster drying time. It's ideal for use over wood subfloors in single family, light commercial and multifamily construction, as well as renovation projects. Its shrink crack-resistant surface provides a perfect base for practically any floor covering.

Gyp-Crete 2000/3.2K is poured to a minimum of 3/4" (19 mm) over wood. By varying the depth, your applicator can correct a floor that has sagged out of level, and compensate in areas requiring smooth transitions between floor coverings of different heights.

With application rates up to 40,000 square feet (3,716 m^2) in a single day, Gyp-Crete 2000/3.2K can match the most ambitious construction schedule. Following application, it can be walked on within 90 minutes. By the next day it easily withstands the punishment of construction activity. And unlike lightweight concrete, Gyp-Crete 2000/3.2K won't shrink crack.

Gyp-Crete 2000/3.2K is always a "green" building material, manufactured with recycled content. It also meets the stringent requirements of the new GREENGUARD Select Certification Program℠.

Gyp-Crete 2000/3.2K also enhances sound control by:

- Sealing perimeter cracks, preventing sound leaks from room to room
- Stiffening the floor, virtually eliminating squeaky floors and nail pops
- Muffling sound transmission, despite its light weight

Builders and owners alike appreciate Gyp-Crete 2000/3.2K because it won't warp or delaminate like plywood. Its noncombustible gypsum content also enhances fire safety, by slowing the spread of fire and helping prevent smoke leaks.

GYP-CRETE 2000/3.2K
Always a "Green" Building Material

3.2K GYP-CRETE FLOOR UNDERLAYMENT 2000®

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 2000/3.2K over wood subfloors varies with the type of floor system used. See chart below.

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 2000/3.2K over 3/4" (19 mm) tongue-and-groove, agency-approved subfloor with joists, truss or beam spacings of 16" to 24" (406 mm to 609 mm) o.c.

Over concrete, the minimum thickness of Gyp-Crete 2000/3.2K is usually 1/2" (13 mm). However, the 1.4 mix design can be featheredged. In wood renovation, Gyp-Crete 2000/3.2K is installed at a minimum depth of 3/4" (19 mm).

Continuous ventilation and adequate heat should be provided to rapidly remove moisture from the area until underlayment is dry. The general contractor 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.

Gyp-Crete 2000/3.2K requires a floor covering. Contact your authorized dealer for recommendations for adhering floor goods. Or call or write for a copy of the Maxxon 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.

LIMITATIONS

- The typical maximum depth of Gyp-Crete 2000/3.2K is 3" (76 mm). For depths greater than 3" (76 mm), contact an authorized dealer.
- Gyp-Crete 2000/3.2K may be scheduled before or after installation of drywall.
- All materials above crawl spaces must be protected by a vapor barrier.
- During construction, place temporary wood planking over underlayment wherever it will be subjected to heavy wheeled or concentrated loads.
- Gyp-Crete 2000/3.2K is not designed to be installed on or below grade, except over well-drained structural substrates.
- 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-structural and therefore cannot be expected to reinforce structurally deficient subfloors. Necessary allowances should be made for expected live, concentrated, impact, and/or dead loads including the weight of finished floor goods and setting beds.
- Gyp-Crete 2000/3.2K should not be used for exterior application, or where it will come in prolonged contact with water.
- Gyp-Crete 2000/3.2K should not be directly applied to a plastic vapor barrier.
- Maxxon Underlayments are "breathable" and not a vapor barrier. The general contractor, 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 MVP, before installation of a Maxxon Underlayment.

ACOUSTICAL PERFORMANCE

The acoustical performance of Gyp-Crete 2000/3.2K is similar to Gyp-Crete®. Contact Maxxon Corporation for reports.

CODE LISTINGS

ICC-ES Legacy Reports ESR-2540 and ESR-1141.
Contact Maxxon Corporation for major city approvals.
GREENGUARD Indoor Air Quality Certified, GREENGUARD Children & Schools Certified and GREENGUARD Select Certified.

*DRYING CONDITIONS

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 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 in 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. The general contractor must supply mechanical ventilation and heat if necessary. These controls fall under the scope of work of the general contractor — not Maxxon Corporation or the Maxxon Underlayment installer.

See *Maxxon Building Conditions Guide* for additional information.

TESTING

Compressive strength testing must be performed in accordance with modified ASTM C 472-79. Before independent sampling, contact the Maxxon Corporation quality control department to ensure that proper procedures are followed.

WARRANTY

Maxxon Corporation warrants Gyp-Crete 2000/3.2K Floor Underlayment to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the Gyp-Crete 2000/3.2K ingredients or from the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the removal or installation of Gyp-Crete 2000/3.2K.

Because Maxxon Corporation does not perform the actual Gyp-Crete 2000/3.2K installation, it cannot be held responsible for the results of the application. Maxxon Corporation specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques.

This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations or liabilities on Maxxon Corporation's part. Maxxon Corporation neither assumes nor authorizes any person to assume for Maxxon Corporation any liability in connection with the sale and installation of Gyp-Crete 2000/3.2K Floor Underlayment.

SAMPLE USGBC LEED® CREDIT AREAS IMPACTED BY GYP-CRETE 2000/3.2K*

Project	Credit	Category	How Requirement is Fulfilled
Indoor Environmental Quality	IEQ 3.2	Air Quality Before Occupancy	GREENGUARD Certified (Testing MUST be performed before claiming credit)
	IEQ 4.3	Low Emitting Materials: Floor System	GREENGUARD Children & Schools℠ Certified
Materials & Resources	MR 2	Construction Waste Management	Recyclable Packaging and Shipping Materials
	MR 4	Recycled Content	Fly Ash
	MR 5	Local/Regional Materials	Manufactured in Blue Rapids, KS 66411; Las Vegas, NV 89036; Camden, NJ 08103; Job Site Manufactured with Local Sand & Water
Innovation & Design	ID 1	Sound Control	Enhanced Acoustical Living Environment

* Credits will vary depending on project type and Maxxon products used. Contact Maxxon Corporation for complete information.

SUBFLOOR THICKNESS	TRUSS, BEAM OR JOIST SPACING	GYP-CRETE 2000/3.2K MINIMUM THICKNESS
19/32" (15 mm) [5/8"]	16"–19.2" o.c. (406-487 mm)	3/4" (19 mm)
19/32" (15 mm) [5/8"]	19.2"–24" o.c. (487-610 mm)	1" (25 mm)
23/32" (18 mm) [3/4"]	16"–24" o.c. (406-610 mm)	3/4" (19 mm)

TECHNICAL DATA

Compressive Strength.....Typical range of 2,000 PSI to 3,200psi (14 MPa to 22 MPa)

"K" Factor.....5.15 Btu•in/(h•ft²• °F) (.7416 W/[m•°C])

Specific Heat.....222 Btu/(lb•°F) at 85 °F (.9301 kJ[kg• °C] at 29.44 °C)

Weight.....At 3/4", less than 7.2 lbs/sq ft (At 19 mm, less than 35.2 kg/m²)

Dry Density.....115 lbs/ft³ (1840 kg/m³)

Point Loading.....Typical loading of up to 2,500 lbs on a 1" (1135 kg on a 25.4 mm) diameter disc

Fire Performance ASTM E-84
- Fuel Contribution.....0
- Smoke Density.....0
- Flame Spread.....0

VOC Emissions..... GREENGUARD Children & Schools Certified

FIRE RATINGS — UL Design

G524	J931	L004	L209	L504	L511	L518	L526	L534	L541	L549	L560	L579	L593	M508
G561	J957	L005	L210	L505	L512	L519	L527	L535	L542	L551	L562	L581	L594	M511
J917	J958	L006	L211	L506	L513	L520	L528	L536	L543	L552	L563	L583	L599	M513
J919	J966	L201	L212	L507	L514	L522	L529	L537	L544	L555	L564	L585	M500	
J920	J991	L202	L501	L508	L515	L523	L530	L538	L545	L556	L573	L588	M503	
J924	J994	L206	L502	L509	L516	L524	L532	L539	L546	L557	L574	L589	M504	
J927	K906	L208	L503	L510	L517	L525	L533	L540	L547	L558	L575	L592	M505	

ULC Design

L003	M501
L201	M503
L511	M513
L512	M514
M500	M517

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3.2K GYP-CRETE FLOOR UNDERLAYMENT 2000®

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MADE IN THE USA

The GREENGUARD Select™ mark is a registered certification mark used under license through the GREENGUARD Environmental Institute.

THE MAXXON GREEN MARK
Maxxon products with this symbol may help contribute toward points for LEED project certification.