

<p align="center"><b>DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT</b>  <b>Housing - Federal Housing Commissioner</b></p> <p><b>TO: DIRECTORS, SINGLE FAMILY HOCs</b>  <b>DIRECTORS, MULTIFAMILY HUBs</b></p>	<p><b>Series and Series Number:</b>  <b>MATERIALS RELEASE NO: 1286f</b>          (Supersedes issue dated          March 30, 2021)</p>
	<p><b>ISSUE DATE</b></p> <p align="center">June 10, 2025</p>
	<p><b>REVIEW DATE</b></p> <p align="center">June 10, 2028</p>
<p><b>SUBJECT:</b>    1.    <b>Product</b>    <b>Rapid Floor ® and Gyp-Crete® Underlayment Systems</b></p> <p>                  2.    <b>Name and address</b>    Maxxon Corporation                              <b>of Manufacturer</b>        920 Hamel Road                                                             P.O. Box 253                                                             Hamel, MN 55340</p>	

Data on the nonstandard product described herein have been reviewed by the Department of Housing and Urban Development (HUD) and determination has been made that it is considered suitable from a technical standpoint for the use indicated herein. This Release does not purport to establish a comparative quality or value rating for this product as compared to standard products normally used in the same manner.

This Materials Release cannot be used as an indication of endorsement or approval by HUD of the described product, and any statement or representation, however made, indicating such approval or endorsement by HUD is unauthorized. See Code 18, U.S.C. 709.

Any reproduction of this Release must be in its entirety.

USE:

Interior floor underlayment for use under a wearing course of carpet, tile, or other approved floor coverings

DESCRIPTION:

The Rapid Floor® and Gyp-Crete® underlayment systems are a nonstructural gypsum/concrete floor fill used on plywood, oriented strand board (OSB), precast concrete planks, and concrete floors and covered with carpet, tile or other approved finish floor coverings.

MATERIALS:

Rapid Floor® and Gyp-Crete® underlayment systems are made of a minimum of 90% calcinated gypsum as specified in ASTM C 28 (Standard Specification for Gypsum Plasters), and a maximum of 10% by weight of Type I/II Portland cement as specified in ASTM C 150 (Standard Specification for Portland Cement). Sand shall be washed mason, plaster or mortar sand. Sand shall be 1/16" or less in sieve size. The water shall be potable and free of impurities.

All materials shall be provided by the Maxxon Corporation and the authorized contractor.

REQUIREMENTS:

The structural floor system shall support a design live load with a deflection limit of L/360. The subfloor may be plywood, oriented strand board (OSB), concrete or precast concrete planks. Plywood and OSB shall meet the requirements of Product Standard PS 1-95 "Construction and Industrial Plywood." All panels shall meet the span rating requirements of Table 1 shown on this page. The minimum floor underlayment thickness shall be in accordance with Table 1 (below), except that the underlayment placed on concrete or precast concrete may be a minimum of ½."

Table 1

Support Spacing  (in.)	Span Rating  (in.)	Minimum Underlayment Floor Thickness (in.)
16	32/16	3/4
19.25	40/20	3/4
24	48/24	1

Rapid Floor® and Gyp-Crete® underlayment systems shall meet the strength and density requirements of Table 2 (below).

Table 2

Product	Mix Design	Minimum Density (pcf)	Minimum Compressive Strength (psi)
Rapid Floor Basic	2.1	100	1200
Rapid Floor Basic	1.8	100	1200
Rapid Floor Multifamily	2.1	110	2000
Rapid Floor Multifamily	1.8	110	2000
Gyp-Crete Basic	2.1	100	1200
Gyp-Crete Basic	1.8	100	1200
Gyp-Crete Multifamily	2.1	110	2000
Gyp-Crete Multifamily	1.8	110	2000

INSTALLATION:

The Rapid Floor® and Gyp-Crete® underlayment systems shall be installed by contractors authorized by the Maxxon Corporation and be in strict compliance with the manufacturer's printed specifications. The mixing and pumping equipment shall be approved by the Maxxon Corporation. The underlayment materials shall be provided by the Maxxon Corporation.

1. Subfloor

The subfloor shall be structurally sound, broom clean, and free of mud, oil, grease, or other contaminants. To prevent leakage, all cracks and voids shall be filled with a quick setting topping or caulking compound.

2. Priming

Wood subfloors must be primed by Maxxon Floor Primer prior to application of Rapid Floor or Gyp-Crete underlayment. Concrete subfloors must be primed with Maxxon Multi-Use Acrylic primer. Follow Manufacturer's instructions for installation of floor primers.

3. Gypsum Underlayment

Building interior and floor should be maintained above 50 \*F (10\*C) for at least 24 hours prior to installation and until underlayment has set. There should be no air movement until Maxxon Gyp-Crete 2000 Multifamily underlayment has set, then provide adequate air movement by opening windows to hasten underlayment drying. Continuous ventilation and adequate heat should be provided to rapidly remove moisture from the area until the 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, while 1" (25 mm) dry time is usually 7–10 days.

LIMITATIONS:

The underlayment is for above grade interior use. The underlayment shall not be used in contact with metal door jambs or metal decks. The underlayment requires a finished floor covering to protect it from abrasion.

STORAGE AND HANDLING:

All materials shall be delivered in their original unopened packages and stored in an enclosed shelter to provide protection from damage and exposure to the elements. Damaged or deteriorated materials shall not be used.

QUALITY ASSURANCE:

Test cubes shall be taken by the applicator at each installation. One set of cubes should be taken for each truck load (600 bags) of underlayment product installed. Density and compressive strength shall be tested in accordance with Modified C472.

LABELING:

Each bag of Rapid Floor® or Gyp-Crete® materials shall be labeled with the following information:

Maxxon Corporation  
920 Hamel Road  
Hamel, MN 55340  
Product designation  
Evaluation report number (MR 1286e)  
Quality control agency name and / or trademark

MANUFACTURING PLANTS:

The products covered under this MR will be produced at the following plants:

GP Industrial Plasters LLC  
11401 US Hwy  
North Las Vegas, NV 89165  
Attn: Wade Causey  
(702) 278-1696

GP Industrial Plasters LLC  
2127 Highway 77  
Blue Rapids, KS 66411  
Attn: Wade Causey  
(702) 278-1696

GP Industrial Plasters LLC  
1101 S. Front Street  
Camden, NJ 08103  
Attn: Wade Causey  
(702) 278-1696

Empire Mining Co., LLC.  
Nevada Highway 447  
Mile Marker 68  
Empire, Nevada 89405  
ATTN: Kyle Cormier  
(702) 921-9552

The contact person for all matters concerning this MR shall be:

Erik Holmgreen  
VP of Research and Development  
920 Hamel Road  
Hamel, MN 55340  
PH: (763) 203-5407  
Email: EHolmgreen@maxxon.com

WARRANTY:

The Maxxon Corporation warrants this product against defects due to materials or workmanship for a period of five (5) years. Maxxon Corporation shall make allowance toward the restoration, repair or replacement of the defective material. The "Maxxon Rapid Floor® or Gyp-Crete® Underlayment" covered by this Materials Release (MR) shall be installed by the Maxxon Corporation, or an agent of Maxxon Corporation whose personnel have been trained by Maxxon Corporation.

Maxxon Corporation shall not be responsible for any defects or damage due to misuse, or damage resulting from fire or natural catastrophes such as floods or tornados.

MANUFACTURERS' RESPONSIBILITIES:

Issuance of this MR commits the manufacturer to fulfill, at a minimum, the following:

1. Produce, label and certify the material, product or system in strict accordance with the terms of this MR.
2. Provide necessary corrective action in a timely manner for all cases of justified complaint, poor performance or failure reported by HUD.
3. When requested, provide the Office of Manufactured Housing Programs, HUD Headquarters with a representative list of properties in which the material, product or system has been used, including complete addresses or descriptions of locations, and dates of installation.
4. Inform HUD in advance of changes in production facilities, methods, design of the product, company name, ownership or mailing address.

EVALUATION:

This Materials Release shall be valid for a period of three years from the date of initial issuance or most recent renewal or revision, whichever is later. The holder of this Materials Release shall apply for renewal or revision 90 days prior to the Review Date printed on this Materials Release. Submittals for renewal or revisions must be sent electronically to HSGmps@hud.gov.

Appropriate user fee(s) for the TSP program can be submitted through the Pay.gov website at <https://pay.gov/public/form/start/73881741>.

The holder of this Materials Release may apply for revision at any time prior to the Review Date. Minor revisions may be in the form of a supplement to the Materials Release. If the Department determines that a proposed renewal or supplement constitutes a revision, the appropriate user fee for a revision will need to be submitted in accordance with 24 CFR § 200.934 User fee system for the technical suitability of products program, and the current user fee schedule

CANCELLATION:

Failure to apply for a renewal or revision shall constitute a basis for cancellation of the MR. HUD will notify the manufacturer that the MR may be cancelled when:

1. conditions under which the document was issued have changed so as to affect production of, or to compromise the integrity of, the accepted materials, product, or system;
2. the manufacturer has changed its organizational form without notifying HUD; or
3. the manufacturer has not complied with responsibilities it assumed as a condition of HUD's acceptance.

However, before cancellation, HUD will give the manufacturer a written notice of the specific reasons for cancellation and the opportunity to present views on why the MR should not be canceled. No refund of fees will be made on a canceled document.

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This Materials Release is issued solely for the captioned firm and is not transferable to any person or successor entity.  
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