

# Commercial TOPPING®

Ultimate Strength Floor Underlayment

NEW!

COMMERCIAL TOPPING "GREEN" FORMULATION  
NOW AVAILABLE



- The perfect concrete resurfacer
- Fast drying
- Extremely resistant to surface abrasion
- Ideal for installing all floor goods

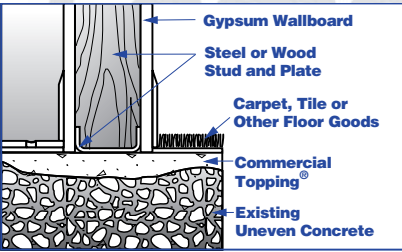
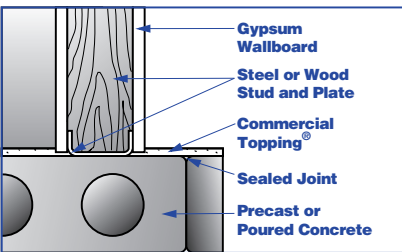


Fast drying Commercial Topping® pours from a featheredge to 3" (76 mm), in new construction or renovation projects. With compressive strengths from 4000 psi (27.6 MPa) to 4500 psi (31 MPa), it's the ideal underlayment to meet ASTM F 710, *Preparing Concrete to Receive Flooring*.

Commercial Topping 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 concrete, specify Commercial Topping.

# Why Commercial Topping Improves any Commercial Project...

- Meets ASTM F10, *Preparing Concrete to Receive Resilient Flooring*
- Pours over VAT, VCT, terrazzo or ceramic, with no shotblasting
- Can be poured over concrete, precast, wood frame, and old cracked lightweight concrete



\*Drying Conditions: Maxxon gypsum 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 gypsum 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 gypsum underlayment installer.

Testing: Compressive strength testing must be performed in accordance with modified ASTM C472-79. Before independent sampling, contact the Maxxon Quality Assurance Department to ensure that proper procedures are followed.

Warranty: Maxxon Corporation warrants Commercial Topping 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 Commercial Topping 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 Commercial Topping.

Because the Maxxon Corporation does not perform the actual Commercial Topping 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 Commercial Topping Floor Underlayment.

## Preparation:

Building interior should be enclosed and maintained at a temperature above 50 °F (10 °C) until structure and subfloor temperatures are stabilized. The subfloor must be broom clean and contaminant free. Before pouring Commercial Topping, the subfloor is coated with a company-approved primer.

## Installation Methods:

The minimum thickness of Commercial Topping varies with the type of floor system. Commercial Topping can be featheredged over concrete substrates. Over wood frame construction, the minimum thickness is 3/4" (19 mm). Over galvanized corrugated steel deck it is poured 1" (25 mm) over the top of the flutings, with an average pour thickness of 1 1/8" (40 mm). It can be poured before or after drywall.

Continuous ventilation and adequate heat should be provided to rapidly remove moisture from the area until the underlayment is dry. The general contractor must supply mechanical ventilation and heat if necessary. Under the above conditions, drying time is usually 5-7 days.

Commercial Topping 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.

## Acoustical Performance:

The acoustical performance of Commercial Topping is similar to Gyp-Crete® Floor Underlayment. Contact Maxxon Corporation for reports.

## Limitations:

- (1) The typical maximum depth of Commercial Topping is 3" (76 mm). For depths greater than 3" (76 mm), contact an authorized applicator.
- (2) Commercial Topping may be scheduled before or after installation of drywall.
- (3) All materials above crawl spaces must be protected by a vapor barrier.
- (4) During construction, place temporary wood planking over the underlayment wherever it will be subjected to heavy wheeled or concentrated loads.
- (5) Commercial Topping is not designed to be installed on or below grade, except over well-drained structural substrates.
- (6) The structural floor should be adequate to withstand design loads with deflection limitations of L/360.
- (7) Commercial Topping should not be used for exterior application, or where it will come in prolonged contact with water.
- (8) Commercial Topping should not be directly applied to a plastic vapor barrier.
- (9) Concrete moisture or vapor emission must be eliminated by others prior to a Maxxon underlayment application for below grade, on grade or suspended slabs.

## Code Listings:

GREENGUARD Children & Schools<sup>SM</sup>.

## FIRE RATINGS

### UL Design #

G524	L507	L541
G560	L508	L542
G563	L509	L543
J917	L510	L544
J919	L511	L545
J920	L512	L546
J924	L513	L547
J927	L514	L548
J931	L515	L549
J957	L516	L551
J966	L517	L552
J991	L518	L553
J994	L519	L555
K906	L520	L556
L001	L522	L557
L003	L523	L558
L004	L524	L559
L005	L525	L560
L006	L526	L562
L201	L527	L563
L202	L528	L564
L206	L529	L571
L208	L530	L573
L209	L531	L574
L210	L532	L579
L211	L533	L581
L212	L534	L583
L501	L535	L585
L502	L536	L588
L503	L537	L589
L504	L538	L593
L505	L539	
L506	L540	

### ULC Design #

L003	L511	M500	M503
L201	L512	M501	M508

Warnock-Hersey Design Number WH1 694-029  
Factory Mutual Design Number FC378  
PFS Design Number FC452  
\*All tests were conducted with ASTM E 119 procedures.

## TECHNICAL DATA

**Compressive Strengths:** Typical range of 4,000 to 4,500 (27.6 to 31.0 MPa)

**Point Loading:** Typical loading of up to 3,500 lbs. on a 1" (1587 kg on a 25.4 mm) diameter disc

**Dry Density:** 125 lbs./ft<sup>3</sup> (2,000 kg/m<sup>3</sup>)

**Weight:** At 1/2", less than 5.3 lbs./sq. ft.

(At 12.7 mm, less than 25.9 kg/m<sup>2</sup>)

**Flexural Strength:** (ASTM C 348) 1660 psi (11.4 MPa) after 28 days

**Tensile Strength:** (ASTM C 190) 515 psi (3.5 MPa) after 28 days

**Surface Burning Characteristics:** Flame spread: 0, Fuel contributed: 0,

Smoke density: 0

**VOC Content:** <0.24 mg/m<sup>3</sup>

## USGBC LEED CREDIT AREAS

### IMPACTED BY COMMERCIAL TOPPING "GREEN" FLOOR UNDERLAYMENT

Project	Credit	Category	How Requirement is Fulfilled
Indoor Environment Quality	LEED for Schools, EQ Credit 4, Option 3 (Flooring Systems)	Low Emitting Materials	VOC content <0.24 mg/m <sup>3</sup> *
Materials & Resources	MR 4.1 - 4.2	Recycled Content	Fly Ash
	MR 5.1	Local/Regional Materials	Manufactured in Blue Rapids, KS 66411; Las Vegas, NV 89036; Camden, NJ 08103; Brunswick, GA 31520
	MR 5.2	Local/Regional Materials	Job Site Manufactured with Local Sand & Water

\*Commercial Topping is GREENGUARD Children and Schools<sup>SM</sup> Certified. Contact Maxxon for details.



The GREENGUARD INDOOR AIR QUALITY CERTIFIED<sup>SM</sup> Mark is a registered certification mark used under license through the GREENGUARD Environmental Institute.



**The Maxxon Green Mark**  
Maxxon products with this symbol are LEED-compliant and help to contribute valuable points toward LEED-certified projects.

**Commercial TOPPING**  
Ultimate Strength Floor Underlayment

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