3/4" SUB-FLOOR COMPARISON

DragonBoard™ MAG X-24 vs. EXACOR™

MAG X-24. Stronger. Stiffer. Gives Builders a True 24” Span Without Compromise.

MAG X-24 and EXACOR are both single-layer structural subfloor systems that require no wet-poured topping to achieve a fire rating in applicable tested assemblies. This eliminates the need for additional pour crews and cure time, helping reduce scheduling delays. MAG X-24 offers wider framing spacing, steel, and wood assembly solutions, and both 1- and 2-hour fire-rated assembly options.

SIDE BY SIDE COMPARISON

Characteristics	DragonBoard MAG X-24 (18mm)	EXACOR 3/4" (18mm class) Subfloor
Nominal thickness	3/4" nominal (18mm)	3/4" (20mm)
Floor joist/truss spacing	16”, 19.2”, or 24” o.c.*	16” o.c. max. for single floor use per ESR-4634
Material cost	Approx. 33% fewer joists/trusses at 24” o.c.	No reduction under ESR-4634 single floor use
Floor framing types	Wood or steel trusses and joists	Wood; use with metal framing is outside the scope of its ICC-ES evaluation report (ESR-4634)
2 hour fire rated design	UL G575 (CFS)	M500 (wood)
1 hour fire rated designs	UL G575, (CFS) ULG556 (EJ) UL L583 (wood)	UL L525, L601, L602 (wood)
Weight	4.53 lbs./SF	4.5 lbs./SF
Panel size & edge detail	4’ (Square Edge) x 8’ (Shiplap)	4’ x 8’ Tongue & Groove (TG)
Cure time	None	None

WHAT THE DIFFERENCE MEANS ON THE JOB

- **SPAN.** MAG X-24 is rated at 16”, 19.2”, and 24” o.c. Moving a floor from 16” to 24” o.c. removes approx. 33% of the joists or trusses: lower framing material cost, lower labor cost and lower weight.
- **SUPERIOR STIFFNESS AND STRENGTH.** Achieve rock-solid floor feel for both 16” and 24” o.c.
- **STEEL FRAMING AND WOOD.** MAG X-24 installs over wood or steel trusses and joists.
- **2 HOUR RATING.** UL G575 provides both 1 and 2 hour fire rated CFS floor-ceiling assemblies.

Planning Your Next Project? Request Information Today.

Explore DragonBoard MgO subfloor and underlayment solutions. Contact our team for product specifications, fire-rated assembly details, and technical support.

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** MAG X-24 values at 19.2 and 24” on center are preliminary engineering values per Intertek Report No. 250218008SHF-002. Sources: DragonBoard MAG X-24 Product Submittal Sheet REV08242026. Huber Engineered Woods EXACOR Subfloor sales sheet HUB 5001-sub REV 7/25/22; ICC-ES Evaluation Report ESR-4634, reissued April 2026 (EXACOR 3/4" nominal panel, 20mm actual). EXACOR is a trademark of Huber Engineered Woods LLC. Fire ratings apply only within the referenced UL design. Confirm current listings at UL Product iQ and with the designer of record and AHJ.*