

EnkamatPlus

Turf Protection

P R O D U C T S

ATHLETICS
CONCERTS
SOCIAL EVENTS



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Over thirty years ago

Colbond's first three-dimensional tangled net was introduced to protect turf from erosion. The unique construction along with the unique characteristics of strength, openness, lightness in weight, and flexibility make it desirable for a number of applications. The 95% open structure of our family of matrix products allows for free movement of air, water, resins, and foam. With the help of an innovative R&D team and some unique customers this tangled mat has found its way into many diverse areas. Products have been created by heat-bonding, gluing, ultrasonic welding, and stitching textiles, foils, and paper creating some of the most innovative and durable products in the market today.

Covermaster distributes and markets EnkamatPlus and Enkamat Flatback turf protection products. Their experience in protecting turf is unequalled in the industry and has helped these product lines evolve into the carefully engineered, high-quality products offered today.

Athletics

EnkamatPlus is an innovative product that provides maximum protection for natural turf fields in some of the most high traffic areas — the sidelines during football and soccer games and around the batting cages and fungo areas for baseball practices. What makes this product work so well is that it won't crush or suffocate the grass. The open structure of the mat allows rain (and other liquids) to flow through, the grass blades to remain intact, and protects the field from unwanted down time. It is perfect for multi-use and professionally maintained fields.

Made of a tough polyester fabric bonded to a special constructed three-dimensional nylon core, EnkamatPlus is the solution for keeping grass healthy and green. This flexible, open matting is the most effective protection you'll find to replace old-style tarps and polyester blankets.



Installing EnkamatPlus couldn't be easier — it can be rolled out and rolled up within minutes. After the game the rolls can be easily stored in an equipment room or outdoor storage area and are reusable season after season.

When asked if he would recommend EnkamatPlus to his colleagues Ross Kurcab,

Turf Manager of the Denver Broncos replied, *Absolutely! It simply protects the grass better. It is softer for the players and easy to deploy. Any added expense would be saved in the first year from little or no grass repair.*



EnkamatPlus protects the field in any vulnerable area.



Enkamat Flatback being unrolled before a rock concert.

EnkamatPlus and Enkamat Flatback being used to protect the field.



EnkamatPlus provides protection for the sideline areas and can withstand the pounding of cleats, heavy equipment, chairs, and thousands of dancing feet.

EnkamatPlus sideline matting is designed to meet all professional, college, and high-school standard sideline dimensions. The convenient 16 feet wide x 150 feet long rolls arrive at your site ready to roll out and use. No special equipment or accessories are needed for installation.

Product Highlights

- ¥ Lightweight and flexible
- ¥ Easy and quick installation
- ¥ Multi-use for many sports
- ¥ Reusable time and again
- ¥ Doesn't take up much storage space
- ¥ Smooth, walkable surface
- ¥ Polyester fabric can be cleaned



Enkamat Flatback can be used to cover the entire field or just the aisle-ways.



Concerts & Social Events

Recent trends indicate that both professional and non-professional athletic fields are being used more often for concerts and other social gatherings. EnkamatPlus and Enkamat Flatback can be your cushion of safety. The products have a Class A Fire Rating and a smooth, walkable surface.



Thousands of feet hoppin' to the beat won't crush EnkamatPlus & Enkamat Flatback. This strong, yet flexible structure springs back into shape under incredible weight. In fact, when the same matrix is used in

construction applications heavy vehicles drive on it all the time. So what's to worry about a mob of energetic teenagers or some beefed-up linemen?

Enkamat Flatback is an alternative for field protection during non-athletic events. It can be used alone or as part of a protective flooring system. It is installed with the flat, two-dimensional side up to provide a smooth, even surface for plywood, geotextile fabric, or chairs to be placed directly on top. Equipment can be moved on and off the field with no damage to the turf.



The open matrix allows air to circulate, liquid to drain through, and the field to breathe.

EnkamatPlus Technical Data: Physical Properties

Property	Typical Roll Value English Units	Test Method
Color	Black & Gray	
Mass/Unit Area (core)	15.0 oz/yd ²	ASTM D 5251
Thickness (core)	0.8 in	ASTM D 5199
Mass/Unit Area (fabric)	8.0 oz/yd ²	ASTM D 5261
Porosity (core)	>95.0%	Calculated
UV Stability	80%	ASTM G53, ASTM D 1682 mod.
Composite Weight (core & fabric)	23.0 oz/yd ²	ASTM D 5261
Roll Width	16.0 ft	
Roll Length	150.0 ft	
Roll Area	266.6 yd ²	
Roll Diameter	42.0 in	
Roll Weight	437.0 lbs	
Flame Rating	Class A	ASTM E 84

Enkamat Flatback Technical Data: Physical Properties

Property	Typical Roll Value English Units	Test Method
Color	Black	
Tensile Strength	2.7 lbs/ft MD 4.1 lbs/ft CD	ASTM D 5635 modified
Thickness	0.65 in	ASTM D 5199
Weight	11.8 oz/yd ²	ASTM D 5261
UV Stability	80%	ASTM G53, ASTM D 1682 mod.
Roll Width	12.5 ft	
Roll Length	197.0 ft	
Roll Area	274 yd ²	
Roll Diameter	44.0 in	
Roll Weight	228 lb	
Flame Rating	Class A	ASTM E 84



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Colbond Inc.

Colbond Inc. is a technology-based global producer of multi-dimensional matrix and nonwoven products. Within Colbond there is a world of technical experience spanning the globe. Innovative product development and manufacturing expertise make Colbond a leader in polymer processing technology. Colbond's family of multi-dimensional matrix products are manufactured from nylon, polyolefins, and polyester. The open structure allows for free movement of air, water, resin, and foam. Our technology allows us to heat-bond, glue, ultrasonic weld, and stitch textiles, foils, and paper creating some of the most innovative products available in the market today. For a complete overview of our products sold in the flooring, construction, automotive, civil engineering, and building and industrial markets visit www.colbond.com.

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