



RoadTraks™

Heavy Duty Composite Mats

RoadTraks™ Composite Mats

Martin Marietta Composites

Martin Marietta Composites manufactures structural composite products for transportation, construction, infrastructure and military applications. When high strength, low weight and durability are important – composites deliver the solution.



RoadTraks is produced in Martin Marietta Composites 186,000 square foot manufacturing facility in Sparta, NC.

Our work with composites began in 1996 with the DuraSpan® bridge deck system. Thirty bridge deck installations have been completed in the United States and abroad.



A recent installation, the Broadway Bridge in Portland, OR, is one of the largest and most frequently traveled FRP vehicular bridge decks in the world.

RoadTraks™ is used to create temporary roadways and work pads for construction, utility and energy companies to access remote and/or sensitive environments. These mats minimize damage to the environment such as tracking or rutting of the ground and provide a sturdy surface for heavy equipment.

RoadTraks is available in the following standard sizes:

Size	Weight	Thickness
7 feet x 14 feet	430 lbs	1.5 inches
7 feet x 7 feet	225 lbs	1.5 inches

Benefits of RoadTraks

High Strength

RoadTraks mats have been used with wheel loads up to 50K pounds. Load rating is dependent upon the size of the load pad and soil conditions.

Low Weight

RoadTraks is one half the weight of comparable plastic matting and a fraction of the weight of comparable wood matting.

Durable

Unlike wood mats, RoadTraks will not rot, warp or gain weight over time due to water absorption.

Easily Installed

RoadTraks can be rapidly installed with no threaded connections or expensive hardware. A lifting lug is located at each corner for lifting and drawing the panels together.

Improved Skid Resistance

RoadTraks mats are coated with an epoxy non-skid coating to provide excellent traction.



52,000 lbs front axle weight



104,000 lbs rear axle weight

Lower Shipping Costs

At 1.5", RoadTraks is one-third the thickness of comparable plastic matting. When more mats can be shipped per load, shipping costs can reduce up to 50%.

Revolutionary Technologies

RoadTraks is produced using Martin Marietta Composites' proprietary sandwich panel, TRANSONITE®.

TRANSONITE is a pultruded three-dimensional (3D) reinforced sandwich panel consisting of fiber-reinforced polymer (FRP) laminates and a foam core. The top and bottom face skins are connected with through-thickness fibers.

TRANSONITE is manufactured using a fully automated pultrusion process. Once the panel is produced, it is cut to the appropriate size. Connection profiles and lifting lugs are attached to the base panel. Connection holes are machined and non-skid coating is applied.



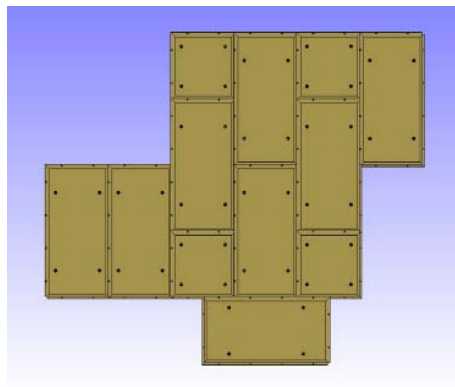
Military Airfield Matting

RoadTraks airfield matting is designed to replace the current aluminum AM-2 matting used by the military for taxiways and aircraft parking aprons. The composite mat is designed to increase the load carrying capacity, reduce the weight and/or volume and improve installation time over the current system. These mats are designed to support heavy cargo and tactical fighter aircraft including the F15, C130 and C17.



Multi-use Matting

Single-width mats can be placed in a linear pattern to create roads. RoadTraks mats can be also placed in a brickwork pattern to create a space for working or parking heavy equipment. Connection joints surround the perimeter of the mats.



268,000lb load cart

Martin Marietta Composites is a subsidiary of Martin Marietta Materials, Inc. (NYSE:MLM). In 1995, Martin Marietta Materials acquired the technology for the DuraSpan® bridge deck system and established Martin Marietta Composites. Headquartered in Raleigh, North Carolina, Martin Marietta Composites develops and markets composite products for transportation, construction, infrastructure and military applications.

At Martin Marietta Composites, we understand that introducing a new material requires support and teamwork. We are committed to providing that support, as well as the expertise to assist our customers in making the transition from traditional materials to composites in an effort to improve profits and grow markets.



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It's not just what we make, it's what we make possible®