

Mabey Temporary Roadway, floating in five feet of water, support a combined weight of 300,000 lbs.



Temporary Roadway Matting Systems

Site Access
Turf & Equipment Protection

Ground protection and site access solutions

Time and time again, utility companies, contractors, stadium managers and golf course superintendents turn to Mabey to provide the critical roadway solutions they need to get their jobs done quickly and efficiently.



The Mabey Difference

Mabey is the industry leader in providing and installing temporary roadway matting systems. Mabey utilizes DURA-BASE® composite mats—the ideal solution when a temporary roadway is required over soft or saturated grounds, or when delicate and environmentally sensitive soils must be protected from pedestrian or vehicular traffic.

Eco-Friendly & Economical

Each rugged mat is composed of a high-strength, fully recyclable high-density polyethylene (HDPE) capable of supporting up to 600 lbs. per square inch. Mabey's experienced installers can lay mats with a loader and just a single truckload can create an interlocking roadway up to 250' long, making installation and trucking quicker and cheaper than with wooden mats. Read on for more information on Mabey's full-line of temporary roadway solutions.



Mabey also rents to the construction industry a comprehensive line of products for bridging, shoring and propping with expert, in-house engineering.

DURA-BASE® is a registered trademark of Newpark, manufacturer of custom-engineered single-piece, sealed construction composite mats.

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Product Information

Made to withstand your demanding conditions

Mabey's temporary roadway system is comprised of DURA-BASE® composite mats that are strong and built to support the most demanding loads, yet are versatile enough to be used for delicate turf protection applications. No matter how big or small the job, Mabey's temporary roads hold up to whatever you can throw at it.

Traffic

Traffic tests on differing soil conditions have shown the mats to be suitable for an average expected life in excess of 15 years. Fatigue tests have shown no appreciable damage at 60,000 cycles (6 inch deflection of 8 foot span).

Static Dissipation

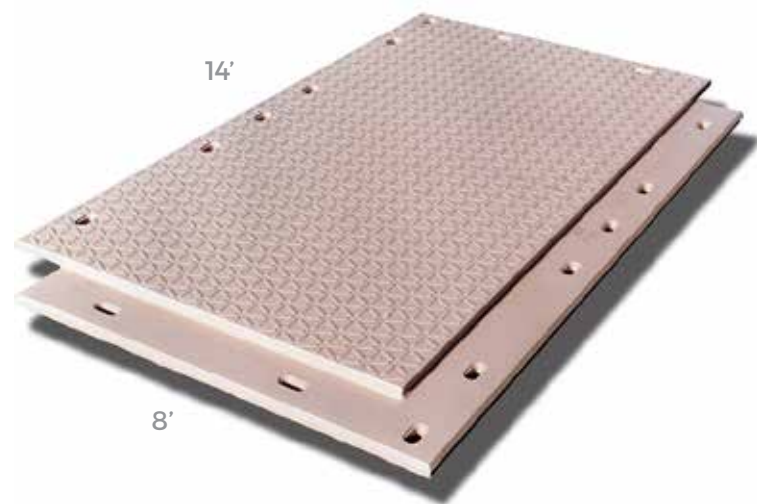
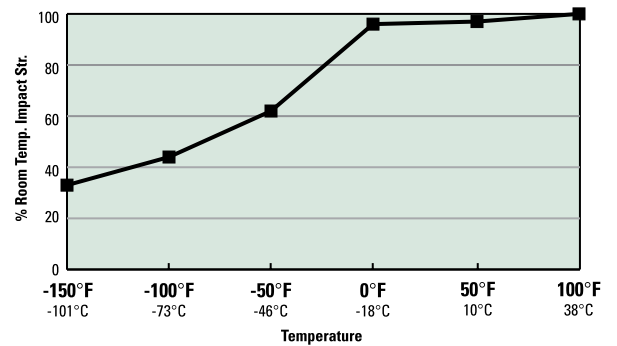
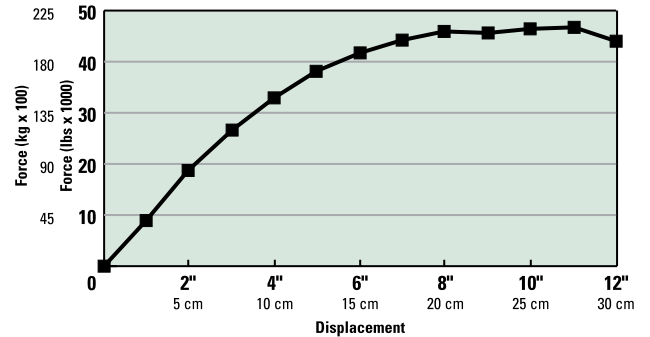
Plastics, left untreated, exhibit poor electrical conductivity. Our mats contain an additive that combines with a composite resin and increases the conductivity. This allows charges to rapidly dissipate, virtually eliminating the potential for static build up.

Strength

Testing has demonstrated mat tolerance to extreme deflection while maintaining a high-load bearing capacity. Pure compressive load-bearing strength is 600 psi. Compressive loads in excess of 1,000 psi have been observed in lab testing. Mats also demonstrate durability in extreme climates.

Built For The Toughest Jobs

- Dimensions: 8' L x 14' W x 4.25" D
- Surface: 7' L x 13' W x 4.25" D
- Approximately 1,000 lbs. each
- Durable overlapping design
- Secured with twist-lock fasteners
- Supports up to 600 PSI
- Skid-resistant surfaces
- Buoyant



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Temporary roadways for any job

Mabey's DURA-BASE® composite mats are strong enough to carry the heaviest boom trucks yet flexible and attractive enough to protect delicate stadium grass for concerts and other events. Read below for more on why our mats are your best solution to fit any need.



Site Access

Utility contractors know that crossing swamp lands and environmentally sensitive areas to reach remote transmission lines or pipelines is all part of the job. Mabey's DURA-BASE® mats create a stable roadway, turnaround or work pad where there was none before, allowing you to reach the job site through soggy terrain or, in some cases, in several feet of water. Additionally, environmental regulations mandate contractors to guard against soil damage and our mats provide ground protection to meet those requirements. Best of all, there is usually no ground preparation necessary. Just drop the mats and go!



Turf Protection

Concerts and outdoor festivals are fun, but pedestrian and light vehicular traffic can mean serious damage to delicate (and expensive) turf. Mabey's matting system can be placed with a simple loader and weigh approximately 1,000 lbs., so they are easier to install than wood mats. Mabey's mats have been implemented at outdoor festivals, golf tournaments and concerts around the country because they provide turf protection capabilities that are superior to lighter products and an ease of install that can't be beat by wood. Plus, the anti-skid surface and interlocking design help ensure attendee safety.



Equipment Protection

You already know that Mabey mats prevent damage to underlying soils, but what about the damage those same grounds can cause to your gear? Mabey's products ensure that rocks and loose soil remain in place and not in the tires and wheel wells of your vehicles, reducing clean-up and decontamination times. Additionally, our mats are ideal for use as a dust control device and help to reduce airborne particles on even the driest and sandiest worksites.

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Applications for Utilities

Access the most remote sites and minimize soil disturbance and damage

Mabey's DURA-BASE® composite mats were designed with utilities and contractors in mind. Increased regulation and sensitivity to environmental factors means that, increasingly, transmission lines and pipelines are installed in more remote areas of our country. Navigating swampy and flooded terrain and protecting delicate ecosystems can complicate your next project and increase both cost and working time. The mats are made from 100% HDPE, are an interlocking system which form a temporary roadway allowing access to the most remote worksites - while improving productivity.

Mabey's DURA-BASE® mats are at their best in the very worst conditions

Our mats not only interlock, but stack on top of one another in wet or flooded conditions. The honeycomb construction of these mats provides buoyancy which allows work trucks to reach sites covered in several feet of water. In addition, mats can be used to create workpads near the bases of pylons, allowing for a stable work surface in the most unstable conditions. Mats can also be used to create turnarounds for your trucks, so your road in is also the road out. In addition, our mats have an additive that eliminates the potential for static build up.

Composite mats work where wood doesn't

Simply put, wooden mats underperform in wet or environmentally sensitive conditions. Wood absorbs water, which makes them heavy and often too soft to support heavy trucks. The non-porous surface of our mats cleans easily and eliminates cross contamination from one job site to the next. Moreover, wood requires time-consuming site preparation while Mabey mats generally require none. Perhaps most importantly, wood mats often cannot be used in protected areas. Mabey mats do not splinter or pollute and leave no trace once they are removed.

Installation Services

Mabey's productive installation teams have extensive experience in safely and efficiently installing miles of temporary roadways. Our team works seamlessly with you to meet project goals and their experience makes them highly responsive in emergency situations and in complex installs, including floating applications.



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Transmission pole replacement in Maryland.



Pipeline installation in Pennsylvania.



Transmission project in 16 ft. of water in North Carolina.



Utility project with matting over Mabey bridge in Alabama.



(Left and above): Work site access for pole replacement in New Jersey.

Applications for Events

Mabey's Temporary Roadway Matting System is strong and durable to withstand heavy loads and yet protect the ground as well. Event organizers and facility managers trust our mats as the ideal solution for air shows, car shows, golf tournaments and facility maintenance.

Pedestrian walkways

Heavy foot traffic can damage even the most hardened ground. Moreover, inclement weather can often lead to soft and dangerous soil conditions for event attendees. Choose Mabey mats to provide your patrons with a safe and stable, skid-resistant walking surface that also protects the soils below.

Concerts and outdoor shows

Our composite mats protect delicate (and expensive) stadium turf. Damage caused by equipment and concert attendees leads to costly ground repairs. Mabey's mats provide heavy-duty support that lighter mats can't match. Installation and removal is quick and the mats protect the turf, preventing the need for expensive repairs – saving you time and money.



Mats protect field during stadium improvements in Florida.



Mats used before a concert at FedEx Field in Maryland.



Mats help transport a 55-ton, KC-130 aircraft at a New Jersey airshow.



At work on the National Mall in Washington, D.C.

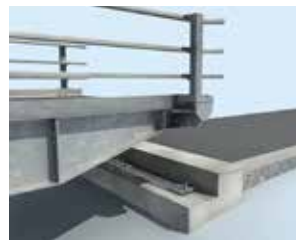
Temporary Roads with QuickBridges®

QuickBridge® System

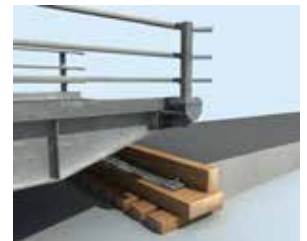
The Mabey QuickBridge® is ideal for small span temporary bridge needs and creates a continuous road in conjunction with our temporary roadway matting system. The QuickBridge® System consists of a number of pre-assembled fully welded modular steel bridge units that arrive on site on the back of the delivery vehicle ready for immediate installation.

Technical Information

- Quick and easy installation
- 20', 30' and 40' lengths
- 5.6' wide unit (surface area)
- Multiple units can be configured to create wider widths for larger vehicles
- Anti-skid surface
- Optional railings available
- Highway load carrying capability



Concrete bearings.



Timber bearings.



Installation

What makes DURA-BASE® mats superior to wooden crane mats?

Simply put, Mabey's DURA-BASE® composite mats are lighter, stronger, less permeable and in the long-run, less expensive than the wooden alternative.

As simple as 1-2-3

One of the biggest advantages to using the Mabey matting system is the ease and speed with which the mats can be secured. Our mats are delivered to your worksite aboard standard flatbed trucks and laid down by our experienced crew. Unlike other temporary roadway solutions, composite mats require little to no site preparation prior to installation. Once in place, the mats utilize an exclusive locking pin system to securely fasten each mat to adjacent ones. The pins are easily inserted through existing holes in the mat's lip and require a simple 90 degree turn to hold them in place. The mats remain tightly secured over mud, sand and most other surfaces.

Logistics

Our mats weigh approximately 1,000 lbs. each and 33-46 may be carried per truckload. Wood mats, alternatively, can weigh up to 2,200 lbs. each and allow only for 15-20 mats per load. A location that requires 1,500 mats may need 36 truckloads of Mabey mats vs. 100 truckloads of wooden ones. If your trucking averages \$500.00 per load it would cost you \$18,000 to transport Mabey mats vs. \$50,000 for wood.

Safety

- Non-skid surface is safer for vehicles to drive on and crews to walk on.
- Mats pin together, virtually eliminating separation of the work surface, splintering and other hazards.
- No nuts, bolts or power tools are needed so installation is safer and more efficient.
- Mats contain an additive that combines with the plastic to eliminate the potential for static build up.



1 Mats are installed with standard site equipment.



2 Overlapping design stabilizes and secures mat.



3 Pin fasteners lock mats into place to prevent separation.

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Environmental-friendly

- Mabey’s DURA-BASE® composite mats are made from 100% recyclable HDPE.
- HDPE is a non-absorbent material that allows for decontamination at the end of the project. Unlike wood competitors—chemicals, water, mud and other waste are easily removed from the mat and are not transferred from one job site to the next.

Value

- Sometimes, wooden mats simply won’t work. Wet grounds, unstable soil and environmental considerations all play important factors in the products you choose. While wooden mats may be less expensive on a per-mat basis initially, shipping, installation, durability and cleaning times add up to higher costs and longer timelines. When you consider all of the factors, Mabey mats are the clear choice for your next project.
- Composite mats frequently reduce the time and cost for vegetation restoration efforts.

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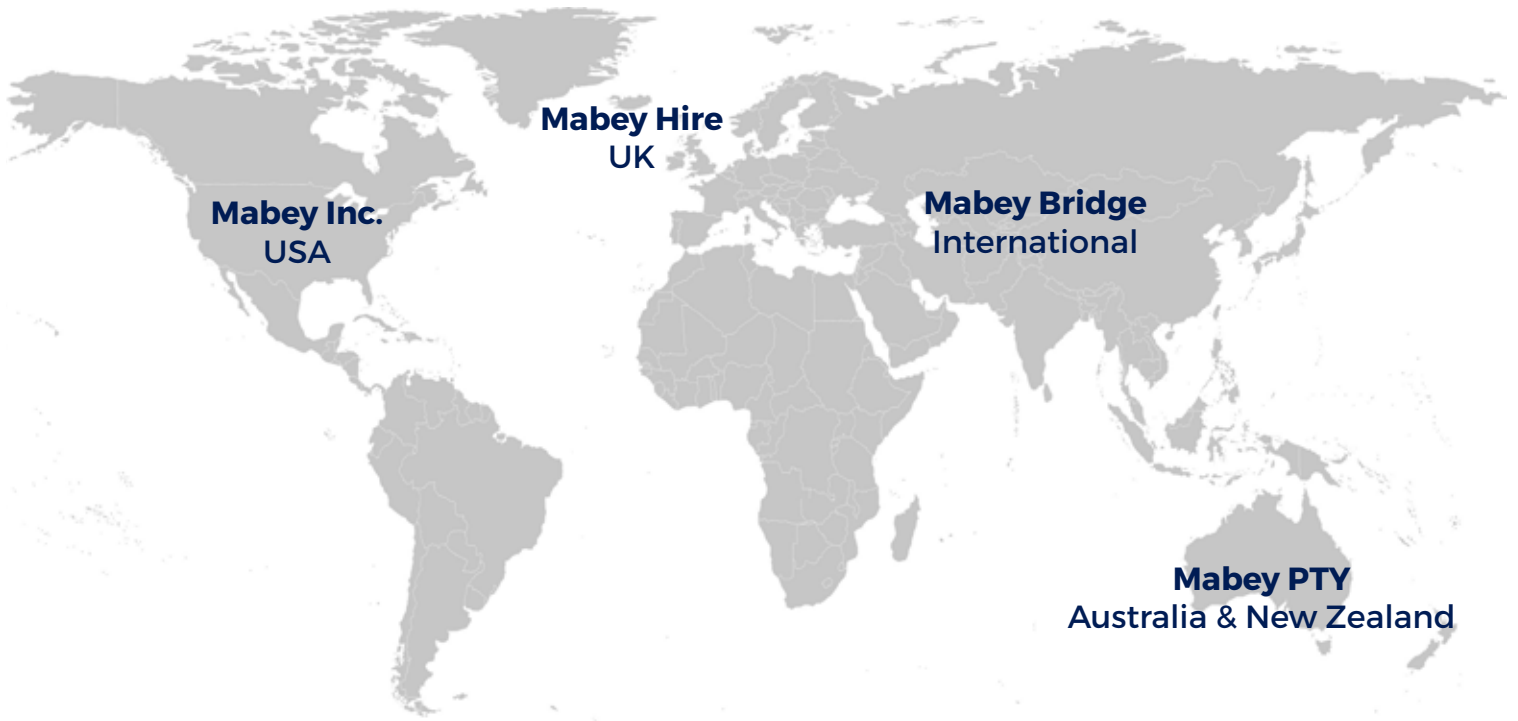


Composite Mats vs. Wooden Mats

	COMPOSITE MATS	WOOD
Interlock for Added Stability	Yes	No
Allowed in Environmentally Sensitive Areas	Yes	No
Weight/Mat	1,000 lbs.	2,200 lbs.
Trucking Capacity	33-46 mats per truckload	20 mats per truckload
Transportation and Fuel Cost Savings	Fewer trips to site	More trips to site
Permeability	Does not retain moisture/chemicals	Significant moisture/chemical retention
Contaminants Carried Between Sites	No	Yes
Recyclable	Yes	No
Safety Hazards	No	Broken boards, nails, etc.
Mat Shifting	No	Yes
Engineered with Consistent Properties	Yes	No



enabling global infrastructure



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