



TRAFFIDECKTMGO
transportation flooring solutions



Transportation Flooring Solutions

Advanced coating solutions offering slip resistance,
durability, abrasion and corrosion protection



THE TRUCK AND TRANSPORTATION INDUSTRIES, LIKE EVERY INDUSTRY, ARE FACED WITH MANY CHALLENGES AND HAVE TO RESPOND TO GLOBAL TRENDS TO REMAIN RELEVANT. MAJOR GLOBAL TRENDS SUCH AS CLIMATE PROTECTION, RESOURCE EFFICIENCY AND SOCIETAL AND DEMOGRAPHIC CHANGES ALL INFLUENCE THE TRANSPORTATION INDUSTRY. GLOBALIZATION HAS INCREASED THE FLOW OF GOODS BEING TRANSPORTED OVER GREATER DISTANCES, AND CONTAINERIZATION ALONG WITH NEW REGULATORY MEASURES FOR MORE STRINGENT SAFETY STANDARDS AND LOWER CO₂ AND NOISE

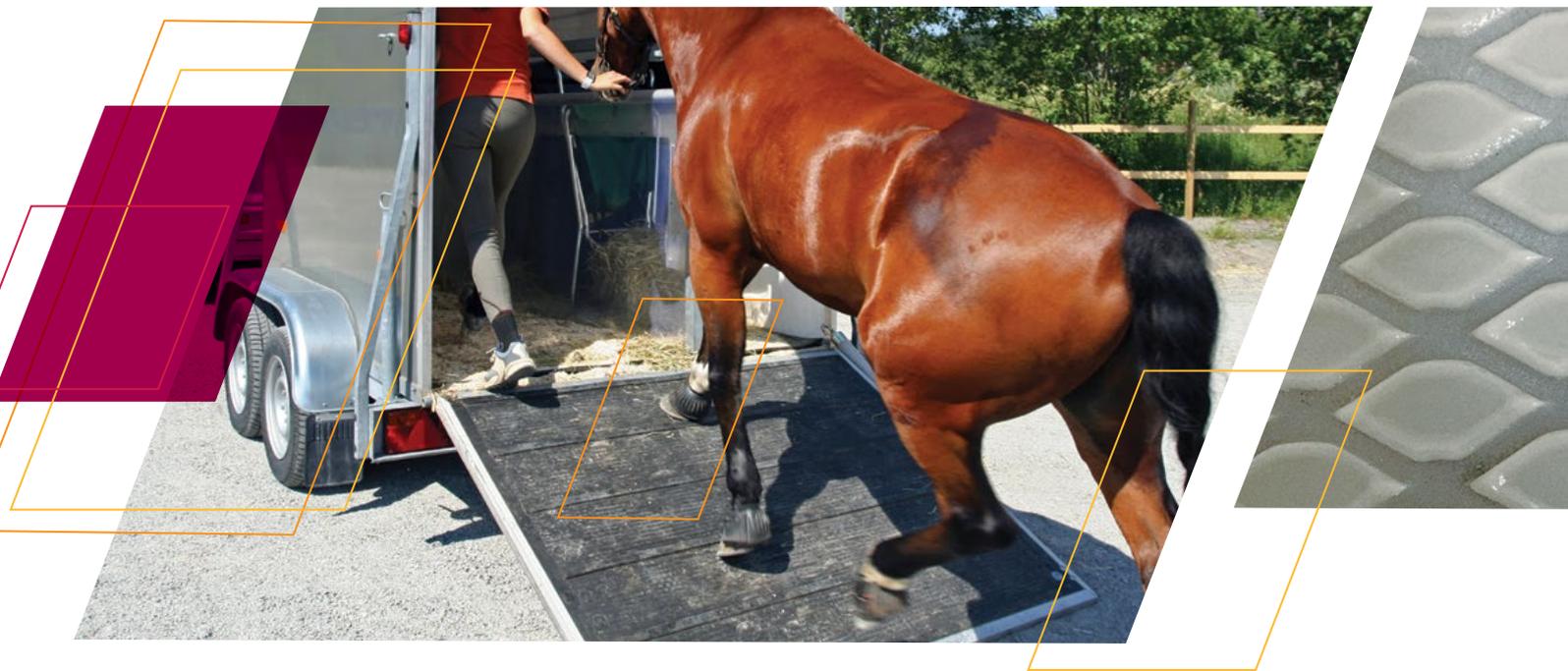
EMISSIONS WILL LEAD TO LARGER DEMANDS FOR EFFICIENT, COST EFFECTIVE AND MORE SUSTAINABLE TRANSPORT SOLUTIONS.

BY 2050 IT IS ESTIMATED THERE WILL BE AN **80% INCREASE IN FREIGHT TRANSPORTATION** COMPARED TO 2005.¹ WITH THIS, THE CHALLENGE FOR THE TRUCK INDUSTRY REMAINS TO TRANSPORT A SIGNIFICANTLY HIGHER VOLUME OF GOODS MORE EFFICIENTLY AND SAFELY, WHILE ENSURING TRUCKS AND DRIVERS ADHERE TO NECESSARY ROAD REQUIREMENTS.

ADDRESSING COMMERCIAL TRANSPORTATION MARKET NEEDS

When transporting large cargo on the road, there are various industry requirements that need to be met in terms of safety, efficiency and quality of the delivered product. Finding the right restraint and flooring solution which enables logistics and transportation companies to meet these market needs is essential.

TRAFFIDECK™ Go Transportation Flooring Solutions from Dow offer an answer to the industry's needs in terms of efficiency, safety and durability. TRAFFIDECK™ Go Transportation Flooring Solutions is an innovative family of seamless coatings that offer anti-slip, corrosion and abrasion resistant protection for flooring of transportation trailers, vehicles and containers. The performance of both the elastomeric and flexible coating materials have the ability to absorb trailer movements caused during transport and to extend the design life of your vehicle.



LOAD SECURING & REDUCED HAZARDS

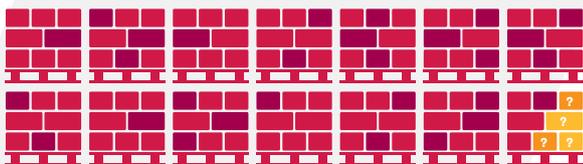
First and foremost, truck drivers and workers need to ensure the transported cargo load is secure inside the truck or trailer; or in other words, the load remains in its correct position in every situation. If the load is not securely fastened, it can slip and cause serious accidents or fatalities to the driver and those on the road, or cause severe damage or loss of the load itself. The European Commission's Transportation Department estimates that up to 25% of accidents involving trucks can be attributed to inadequate cargo securing.² The same dangers are also a concern when unloading loads which have slipped due to poor fastening and are also oftentimes the source of workplace injuries and fatalities.

TRAFFIDECK™ Go Transportation Flooring Solutions can help address these concerns. The anti-slip feature of Dow's flooring solution offers a high friction coefficient, which helps secure loads during transport.

REDUCED TIME SPENT ON-SITE

Demographic shifts and changing consumer behaviours mean logistics companies are now under greater pressure to reduce delivery times to customers from days to hours.⁴ As such, ensuring efficient delivery and reducing time at sites is a concern for the industry. The less time a driver or worker takes to load or unload cargo, the more they can focus on transporting goods efficiently. In fact, it has been estimated that if a truck driver shortened his time loading and unloading at sites from four hours to just one, the number of shipments handled per year by truck driver would double.⁵

With **TRAFFIDECK™ Go Transportation Flooring Solutions** fewer lashings than normal are required for securing the load, therefore turnaround times can be improved as less time is required to fasten the load down. It also means that additional non-slip mats are often not required to secure the load; these can oftentimes be unavailable or cause high costs if they have been lost and need replacing.



In 2014, **14 billion tons** of goods were transported by road in Europe.³ Of these, approximately 4% (560 million tons) is estimated to have been lost or damaged during transportation – the equivalent of 373 million pallets of goods.



Reducing by 20% the time spent on loading and unloading can result in a **reduction of total costs by 8%.**⁶



INCREASED DURABILITY & PROTECTION

Maintenance and protection of truck and trailer floors, as well as the goods they transport are another area of importance for the industry. Van trailers, for instance, carry a number of goods and although their interiors are designed for strength, durability and longevity, their floors are normally laminated in oak or maple, making them vulnerable to rain or snow. The more moisture the wooden floors are exposed to, the less durable they become, causing them to crack, need repairs or eventually become replaced. Equally, it is important to prevent contamination of goods during transport. Trucks and trailers need to be able to be easily cleaned between loads in order to reduce the contamination of the goods that are being transported, allowing for final products to be delivered in good condition to end-customers.

TRAFFIDECK™ Go Transportation Flooring Solutions offer tailored solutions with durable, crack resistant, abrasion and corrosion protection, with the ability for easy cleaning between loading and unloading cargo also allowing for a more hygienic surface.

REDUCTION OF NOISE

Lastly, with the movement of goods and resources increasing globally as the population grows, new regulations and standards have been set for commercial vehicles to reduce noise emissions. These levels of acceptable noise have been set to achieve a substantial reduction of traffic noise impact and improve urban environmental conditions.

TRAFFIDECK™ Go Transportation Flooring Solutions offer customers reduced noise emissions by absorbing some of the noise created during loading and off-loading.

FAST RETURN TO SERVICE

Trailers take a beating in day-to-day use. If they are not built to last, they break down, leading to downtime and sometimes damaged cargo.

Specifications that can reduce maintenance help make your trailers damage resistant, more capable of withstanding the demands of constant trafficking and therefore offer improvements in their operability.

TRAFFIDECK™ Go Transportation Flooring Solutions can be easily applied to trailer and container flooring made from wood, steel or aluminium substrates. The flooring system structures and processes will vary, depending on the system choice to meet your needs.



SPECIFIC REQUIREMENTS DEPENDING ON TYPE OF ROAD CARGO

The floor trailer requirements depend on the type of road cargo that is being transported. An anti-slip floor supports load securing, protects the floor and reduces the slipping hazard when entering the trailer with a forklift during the loading and unloading process. In other instances, an easy-to-clean and low noise system is required.

TRAFFIDECK™ Go Transportation Flooring Solutions offer a versatile portfolio of flexible membranes suitable for a wide range of applications, with hardness and texture levels ranging from low to high depending on your needs.

Features & Benefits

TRAFFIDECK™ Go SG 965

Anti-slip and rubbery system ideal for slippery objects such as metal boxes, offering a high friction coefficient that makes the load secure, easier and safer, replacing anti-slip mats.

TRAFFIDECK™ Go SG 985 / SG 995

Low-noise and easy-to-clean system ideal for moist environments, such as occurring in refrigerated trailers.

TRAFFIDECK™ Go HA 1000 / HA 4000

Anti-slip and high abrasion resistance ideal for the transportation of goods that require a forklift to enter the trailer during the loading and unloading process.

Dow's new TRAFFIDECK™ Go elastomeric membrane for transportation flooring covers a broad range of transportation requirements. Each solution in Dow's TRAFFIDECK™ Go portfolio provides its own set of performance features and benefits tailored to each application.

Contact a Dow representative today to learn more.

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¹ http://ec.europa.eu/transport/themes/strategies/doc/2011_white_paper/white_paper_2011_ia_full_en.pdf

² http://ec.europa.eu/transport/road_safety/topics/vehicles/cargo_securing_loads_en

³ Eurostat: Road freight transport statistics 2014

⁴ <http://www.strategyand.pwc.com/trends/2016-commercial-transportation-trends>

^{5,6} Cefic & ECTA Brochure, "How to reduce time spent by drivers on site and improve their treatment" (December, 2009)

