Introduction to
Industrial flooring & pavements
- no other part of a building is so exposed

No other aspect of an industrial building is as exposed as the flooring, and in outdoor industries there is no area as exposed as the pavement. Whether it is an airport apron, a container terminal in a port, a production area in light or heavy industry, an abattoir or freezer room, or a warehouse or multi-storey car park, the floor or pavement is the common denominator that is regularly subjected to a combination of stresses.

Whatever the situation - wear, abrasion, impact, point loads, cyclic freezing and thawing, chemical attack, high-pressure steam cleaning or aggressive chemical cleaning processes - the art lies in producing the correct flooring or pavement for each situation. Densit a/s is a master of this art.

"Within the framework of Densit® technology, we fulfil the needs of specific market segments for materials and systems to reinforce areas that are both exposed to severe demands and critical to the user’s activities."
Densit a/s has more than 15 years’ experience in developing and installing high-performance industrial floors.

The company’s industrial flooring systems have become standard in specific industries – such as the fresh food industry – where they offer the best solutions.

Several million square metres of Densiphalt® and Densitop® have been installed worldwide since the products were first introduced in the 1980s.
Densit a/s provides industrial flooring and pavement solutions for industries where fast construction and minimum downtime are crucial. Densit® products are especially suited to pavements and industrial flooring in:

- Airports.
- Harbours.
- Warehouses and distribution centres.
- Heavily trafficked areas.
- Light industry.
- Heavy industry.
- Abattoirs and other fresh food industries.
- Multi-storey car parks.

Densit a/s can offer the best solution for the client's flooring and pavement needs, to produce reliable working surfaces that benefit production and critical processes.

Advantages of Densit® materials

FAST CONSTRUCTION AND EARLY TRAFFICKING
Depending upon the system, Densit® industrial flooring and pavements are typically installed on a water-saturated concrete subbase, sealed asphalt or lean-mix concrete. Minimal preparation is required and installation is rapid, speeding up new-build construction schedules and reducing downtime during repairs.

After installation, Densit® industrial flooring systems will usually be ready for trafficking after 24 hours at 20°C, again minimising downtime.

BASE COURSE
Densit® industrial flooring systems can be laid not just on new concrete but also on a variety of materials such as old, polluted or weak, disintegrating concrete, lean-mix concrete, asphalt and steel. In every case, Densit a/s offers a durable solution.

For further information please refer to the PRODUCTS and TECHNICAL INFORMATION sections of the catalogue.
Densit® solutions are based on three fundamental systems:

**DENSIHALT®**
Thickness 30-100 mm
Semi-flexible industrial flooring and pavement systems
Densihalt® consists of an open-graded asphalt, with the voids filled by a high-strength cement-based mortar. Densihalt® is especially well suited to heavily trafficked areas that require a rut-resistant, wear-resistant and joint-free surface.

**DENSITOP®**
Thickness 5-25 mm
Industrial flooring systems
Densitop® consists of a high-strength cement-based mortar combined with hardwearing aggregates. It is especially suitable for areas exposed to extremely high loadings, and where hygiene requirements are strict.

**FERROTOPTM**
Thickness 23-35 mm
Anchored flooring systems
Ferrotop™ is a high-strength cement-based mortar combined with hardwearing aggregates, mechanically bonded to the subbase by one or two layers of reinforcement mesh. The system is designed especially for repairing flooring on weak or contaminated base concrete.

**Properties of Densit® materials**
The various Densit® industrial flooring systems provide each their special combination from the range of properties:
- High wear resistance.
- High bearing capacity - resistant to point loads.
- High impact resistance.
- Freedom from joints.
- Impermeability.
- Resistance to freeze-thaw cycles.
- Protection of base concrete against salt.
- Ease of cleaning.
- Dust-free surface.
- Ability to withstand steam cleaning.