

# DENSITOP®



*- high strength floors for the metals industry*

- Metal production
- Metal processing
- Metal goods production
- Production of machinery
- Production of equipment

# High strength floors for the metal industry

## Densitop® floors

– the metals industry - a tough environment for any floor

The production environment in the metals industry exposes floors to conditions that constantly stress and eventually damage the floor surface. Densitop® industrial floors are the natural choice for all sectors of the metals industry:

### Metal production and processing

- Transport and unloading of raw materials.
- High point loads from metal bars and coils.
- High-temperature exposure from furnaces.
- Surface damage from heavy vehicles.
- Spills from ovens and other equipment.

### Metal goods production

- Heavy internal traffic.
- High point loads from boxes and containers.
- Vibrations from pressing and cutting tools.
- Impact damage from dropped components.
- Chemical attack from oil and emulsions.

### Production

- Transport and unloading of heavy machinery and equipment.
- Impact damage and vibration from assembly lines.
- High point loads in storage areas.
- Surface damage from heavy vehicles.

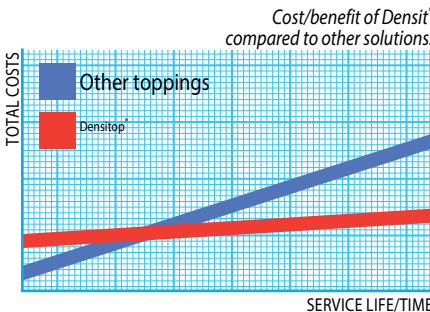
For a long and trouble-free service life, a proper flooring system is essential.

Strength and durability of the flooring system are properties of the utmost importance. Equally important, the suppliers must have both the technological expertise and the necessary skills and experience for installation. Densitop® flooring systems are based on a fine particle cementitious binder with high internal bond strength. Combined with selected aggregates and Densit® technology, the result is an extremely dense floor topping that is highly resistant to wear and tear.



### An economical solution

A flooring investment must be considered not only in terms of the initial costs. Operating costs such as maintenance, production losses, downtime and repair need to be considered. In addition, damage to goods, broken vehicles and inefficient production need to be evaluated. The Densit® solution focuses on minimising the operating costs.



Densitop® in the metal industry.

### Densit® in the metals industry

	DENSITOP® ST	DENSITOP® MT	DENSITOP® LT
Thickness:	5-8 mm	8-12 mm	15-25 mm
Compressive strength:	165 MPa (EN 12190)	120 MPa *) (EN 12190)	110 MPa *) (EN 12190)
Wear resistance:	4,0-5,0 cm³/50 cm² (DIN 52108)	5,5-6,0 cm³/50 cm² *) (DIN 52108)	6,0-7,0 cm³/50 cm² *) (DIN 52108)
Application:	Production and storage areas, workshops	High stress production areas, workshops and areas exposed to temperatures up to 250°C	Heavy stress production and storage areas, workshops and areas exposed to temperatures up to 250°C

\*) Both the compressive strength and the wear resistance of the Densitop® MT and LT and increase significantly when adding other high strength aggregates.

### Densitop®

#### Three steps to a successful solution:

ITW Densit can assist from the initial material selection stage to the final installation of the floor.

#### Product selection

ITW Densit will help select the correct flooring type

#### Detailed specification

... is made according to the problems and solutions identified.

A competent and experienced contractor must carry out the application



# ITW Densit - a strong partner for Flooring and Pavements around the world

## ITW DENSIT ApS

ITW Densit has more than 25 years of experience as provider of Ultra High Performance Concrete (UHPC) solutions for industrial strengthening and repair.

Since 1983, ITW Densit has been specializing in the development, manufacture and supply of high-performance solutions, based on unique high-strength and dense Ultra High Performance Concrete (UHPC) Densit® materials.

In addition to provide flooring and pavements for highly exposed areas, the Densit® UHPC materials are applied worldwide in other demanding areas such as the reinforcement of oil and gas platforms, foundations for renewable energy solutions, wear & abrasion and security barriers.

ITW Densit is headquartered in Denmark. The company has subsidiaries, sales offices and experienced partners all over the world.

## AN ITW COMPANY

ITW Densit is part of the Illinois Tool Works Group with 875 business units in 54 countries - [www.itw.com](http://www.itw.com)

## QUALITY ASSURANCE

ITW Densit is certified to ISO 9001, ISO 14001 and OHSAS 18001.

