

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.

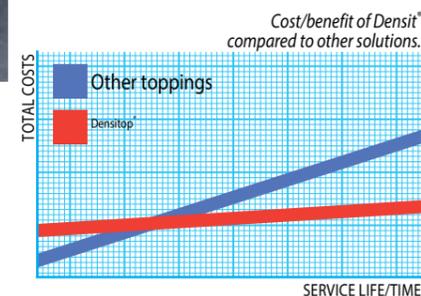
For a long and trouble-free service life, a proper flooring system is essential.

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 Densitop® 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 Densitop® solution focuses on minimising the operating costs.



Densitop® in the metal industry.

Densitop® 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 Engineered Polymers can assist from the initial material selection stage to the final installation of the floor.

Product selection

ITW Engineered Polymers 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 Engineered Polymers - a strong partner for Flooring and Pavements around the world

ITW Engineered Polymers

ITW Engineered Polymers is a division of ITW (Illinois Tool Works). ITW is one of the world's most diversified industrial companies, with a sales turnover in 2012 of USD 18 billion. Established in 1912, today ITW employs over 65,000 people worldwide.

ITW businesses serve local customers and markets around the globe with specialized industrial equipment, consumables, and related service businesses.

ITW Engineered Polymers is a global supplier of chemical solutions targeting industrial manufacturers. ITW Engineered Polymers manufactures, markets and sells a wide variety of industrial technologies including High Performance Cementitious products, epoxy adhesives and chocking compounds, methacrylate adhesive and polyurethane coatings under leading brands such as Densit®, Ducorit®, Devcon® and Plexus®.

Densit®

Densit® is a brand of ITW Engineered Polymers. Since 1983, ITW Engineered Polymers has been specializing in the development, manufacture and supply of high performance solutions based on its Ultra High performance Cementitious (UHPC) Densit® material.

ITW Engineered Polymers is working in partnership with the ITW WindGroup to bring this unique global platform of grout solutions for offshore and onshore foundation installations into the market.

In addition to connecting offshore structures in the wind industry, UHPC Densit® materials are applied worldwide in other demanding areas such as wear and abrasion resistant solutions, the reinforcement of oil and gas platforms, industrial flooring and pavement and security barriers.

QUALITY ASSURANCE

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



ISO 9001 • ISO 14001
OHSAS 18001