

TEQPLAN - WEARLAYER

WEARLAYER FOR TEQBASE



THE IDEAL WEARLAYER FOR INDUSTRIAL FLOORS, LOGISTICS, AUTOSTORES & VNA

Jointless, bright, durable, high load-bearing capacity, super-flat, environmentally friendly, dust-resistant.

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Areas of application

For example in, logistics, industrial areas, production areas, storage and machine halls, workshops, shelved areas, printing offices, foundries, F&B industry, refrigerating rooms, transport centres and freight forwarding areas.

We deliver:

- Complete industrial flooring systems
- Renovation of existing floors
- Cleaning and maintenance products for Teqton floors

The perfect material mix

Teqplan consists of a special synthetic material dispersion, selected aggregate materials and concrete, which makes Teqplan particularly suitable for floors subjected to water, fuel, chemicals and other influences. This makes Teqplan perfectly suitable for storage and production halls as well as workshops.

Avoiding joints?

Joints, holes and other flooring irregularities cause problems, especially if subjected to heavy loads every day. This is why Teqplan is laid down jointless, even in large areas of several thousand square meters. Thanks to its synthetic fixing agent, the Teqplan surface is so tight that wear and cracks rarely occur.

Teqplan offers the advantages of high accuracy levels, a healthy and noiseless working environment, and lower maintenance costs for platform trucks etc.

Comfortable, economical and environmentally-friendly

Experts have noted that Teqplan industrial floors are extremely abrasion resistant and almost maintenance-free – even after several years of use! Not only does this constitute an advantage to the company economy, it also leads to environmental protection because Teqplan does not contain any solvents.

A durable floor

An industrial floor is attacked by several enemies: water, oil, chemicals etc. Thanks to its special material features, Teqplan are able to resist such attacks to a great extent, and Teqplan maintains its high-level durability even after a long time of continuous impacts. Furthermore, Teqplan is absolutely neutral towards steel, which is an important issue when installing various types of machines onto the floor.

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TEQPLAN - MEETS THE REQUIREMENTS OF MODERN INDUSTRIAL AND LOGISTICS FLOORS

Modern automated warehouse systems such as Autostores, very-narrow-aisle (VNA) warehouses and high-bay installations place significantly higher demands on floor flatness, strength and stability than traditional industrial environments. Teqplan is engineered to meet precisely these requirements and is therefore widely used in industry, logistics centers, e-commerce warehouses and production environments where operational reliability and precision are critical.

High flatness and surface stability

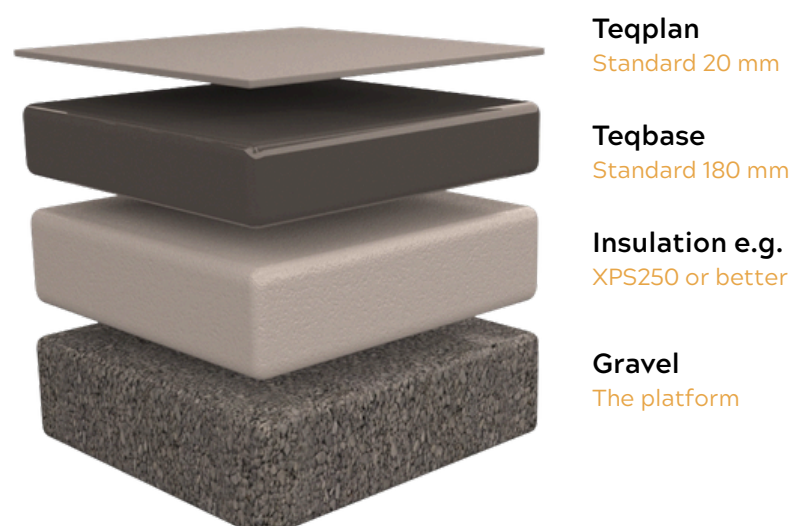
Autostore and VNA systems require extremely tight tolerances, as even minor irregularities can affect robot travel patterns, wheel wear or the accuracy of the racking system. Teqplan is applied in controlled layer thicknesses and has a documented ability to achieve very high flatness. This provides a stable basis for robot operation, rail installations and automated processes.

High point-load strength and load-bearing capacity

Automated warehouses often operate with significant point and line loads from racking systems, pods, auto-sorters and heavy AGVs. Teqplan provides a strong, jointless and homogeneous structure with high compressive strength and optimized resistance to point loads, ensuring long service life without the risk of settlement or local weaknesses.

Fast installation and minimal downtime

Teqplan is applied in large continuous sections and cures quickly, making the system suitable for environments where installation time is critical and where a rapid return to production or warehouse operations is required.



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TECHNICAL DATA

Fixing agent

Synthetic material dispersion and concrete

Aggregates

Granite gravel and sand

Sub-base

Teqbase or concrete (min. 25 MPa.)

Laying down procedure

Manual or mechanical work. Around 800 m² per day per work team.

Temperature

Min. + 5°C. The building must be closed (windows and doors installed, waterproof roof).

Electrical discharge ability

Spark-free and inflammable (in accordance with German regulation DIN 51 953) between 10⁴ and 10⁷ ohm. No static charge.

Colour

Light concrete grey.

Flatness

Flatness: In accordance with German regulation DIN 18 202, table 3, line 3 or 4. Extreme flatness possible in accordance with German regulation DIN 15 185 for VNA trucks.

Resistibility

Water-resistant and to a great extent resistible to oil and chemicals.

Layer thickness

10–30 mm.

Curing time

Usable after about 2 days (depending on temperature). Loadable after about 4 days.

Density

Around 2.0 – 2.2 t/m³.

Warranty

5 years.

Joints

Normally jointless. Statically determined joints in tower blocks must be secured using joint profi 1.

Wear resistance

In accordance with regulation HUS AMA, table ESE/6, class A. Very high standards.

Point load

Up to 100 kN on 0.1 x 0.1 m. Tested according to German regulation DIN 18 560.

Compressive strength

Min. 50 N/mm².

Tension

Around 10 N/mm².

Further information

Regarding data sheets on:

- Connection to other building components
- Inspection
- Reference list

Please contact our office.

You are welcome to contact us for further information

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