

diston®

For light to medium loads
and as a base for coatings.

System description

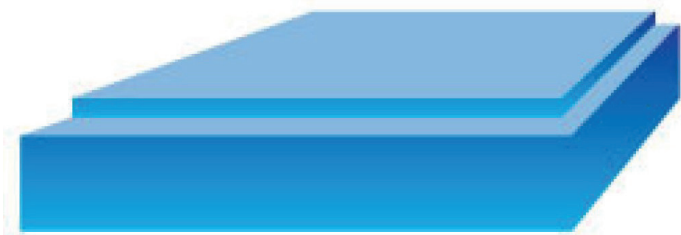
- Cement-bound, plastic-modified industrial floor, 1.5 - 2.5 cm thick (greater installation thicknesses are possible).
- The surface structure is subject to regional, technical and physical and building physics influences.

Area of application

- Furniture stores
- Low and high garages
- Height levelling or levelling layer
- Substrate for coatings based on reactive resin-based coatings

Characteristics

- Jointless in the surface (building expansion joints must be secured by suitable joint profiles)
- High load-bearing capacity
- High evenness
- Low shrinkage
- resistant to water, oil and chemicals
- closed, non-slip,
- natural grey



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Technical data

- **Installation conditions**
Minimum temperature + 5°C
Roof and external facade closed rainproof and draught-free,
- **Prismatic strength**
Compressive strength > 50 N/mm²
Bending tensile strength > 6 N/mm²
- **Adhesive tensile strength**
Adhesive tensile strength > 1,5 N/mm²
- **Curing times/load capacity**
Can be walked on after 3 days, fully loadable after 7 days (at normal climate 20° C / 65 % relative humidity)
- **Diffusion behaviour**
diston® is open to diffusion
- **Fire behaviour according to DIN 4102**
In accordance with the supplementary Flame retardant according to the supplementary regulations (building material class B1)
- **Electrical discharge capability**
Between 10⁴ and 10⁷ ohms (DIN 51 953), no static charge.
Suitable for potentially explosive atmospheres in zones 0, 1 and 10 in accordance with workplace regulations.
(Permissible maximum value: 10⁸ ohms)
- **Evenness**
according to DIN 18202, point 5, table 3, line 3
according to DIN 18202, point 5, table 3, line 4,
according to DIN 18202, point 5, table 3, line 4 or
according to DIN 15185 possible

Description

- **Daily performances**
800 up to 1.200m²/day, The daily output depends on the size of the area and the access routes to the mixing site
- **Substrate requirements**
dispac® or concrete minimum quality C20/25 according to DIN EN 206 (1045-2), surface free of from sludge, separating films and loose components.
- **Installation**
diston® is produced directly on site and installed using the latest laser technology.
diston® is laid from +5° Celsius.
Processing below +5° Celsius is not recommended as the curing time is too long. If the temperature drops further temperatures may result in frost damage.
Within the first 48 hours after laying, exposure to water must be avoided.
- **Drying and setting times**
The drying and setting times of diston® depends on the subsoil temperature, the subsoil moisture, the air temperature and the relative humidity.
At an average air temperature of 20° C and humidity (65%), the soil can be walked on after approx. 3 days and and can be fully loaded after approx. one week.