DUCON



Ultimate Performance
DUCON Overlay

Industrial flooring and impervious overlays

General building approval Z-74.1-89

Properties

DUCON specializes in thin, load-bearing, impervious and highly durable concrete floors, as well as wear layers and WHG-compliant waterproofing layers. Typical layer thicknesses range from 35 to 60 mm, with a largely jointless finish. The thin concrete overlay layers enable cost-effective repairs during ongoing operations without the need for time-consuming and costly demolition of the existing structure.

DUCON®

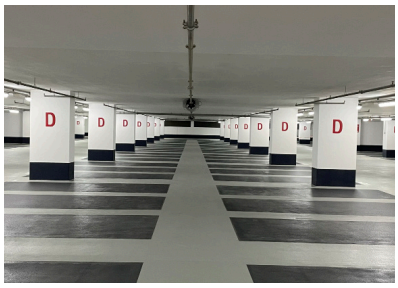
= DUctile CONcrete, UHPC with 3D micro-reinforcement (MicroMat®)
= innovative concrete technology with a large spectrum of applications (international patents and trademarks)

Applications

Spectrum of applications: Chemical plants, automotive industry, hazardous stores
In-situ concrete: Production halls, gas stations, containments, filling areas, handling centers, tank farms, airfields, warehouses, container storage areas
Precast elements: Gutter systems, catch basins, pipes, containments
Components: Floors, walls and ceilings
DUCON thickness: from 35 mm, impervious overlay with 55 mm (WHG)

References

BASF, Bayer, BP, Daimler / Mercedes, Dow Chemical, Evonik, Inovyn, Volkswagen, Zentis







Benefits of DUCON Overlay

- Seamless design
- High load bearing capacity with minimal layer thicknesses
- High mechanical and chemical resistance
- High electrostatical conductivity
- High cost-effectiveness

Technical data

- Compressive strength: 100-200 N/mm²
- Flexural strength: 25-75 N/mm²
- Shear strength: 3-16 N/mm²
- Tensile strength: 9-20 N/mm²
- WHG thickness: 55 mm
- Waterproof: from 15 mm

Applications

- Storage, filling, and transshipment areas
- Containments
- Tank farms
- Gutter systems
- Catch basins

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