


Coatings for Industrial Floors:

CP-Synthofloor series: Antistatic Flooring with Anti-Skid Function for Pharmaceutical Company in Milano/Italy

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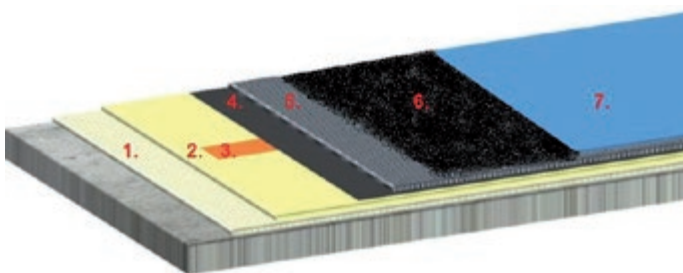

Milano/Italy: After an operation time of 7 years, the industrial floor of a pharmaceutical company showed heavy damages due to high mechanical stress and chemical influences. The efficient CP-Synthofloor systems were chosen for the durable protection of the floor area. Further demands regarding antistatic and anti-skid properties and could be achieved by this specific product line.



The damaged floor prior to renovation

The requirements to functional flooring within the pharmaceutical sector are very high. Chemical resistance and load capacity are mandatory for industrial floors. For this project the customer demanded also antistatic properties and additionally the feature of a skid-proof surface. Chesterton International GmbH delivered a compatible complete system of primer, coatings and topcoat to satisfy the customer's needs.

The surface preparation and application of these specific flooring systems was conducted by the company Uniresine srl, located in Cirié/Italy. The laying and connection of the copper bands always has to be carried out by an electrician to achieve safe antistatic function.



Complete Flooring Module System for antistatic and anti-skid properties

Chesterton Complete Flooring System (Modules 1-7)

1. Primer = CP-Synthofloor BETA 8016 (insulation barrier)
2. Scratchcoat = CP-Synthofloor BETA 8016
3. Copper Tape connecting by earthing
4. Conductive Layer = CP-Synthofloor 8860 LS-AS
5. A.S. Layer = CP-Synthofloor 8460 A.S.
6. Broadcasted SIC (Silicon Carbide) approx. 4 kg/m²
7. A.S. Topcoat Layer = CP-Synthofloor 8481 A.S.

Working steps for a professional application of antistatic and anti-skid floorings



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Our Products:

- CP-SYNTHOFLOOR BETA 8016
- CP-SYNTHOFLOOR 8860 LS-AS
- CP-SYNTHOFLOOR 8460 A.S.
- CP-SYNTHOFLOOR 8481 A.S.



Module 1-3: Our product **CP-Synthofloor BETA 8016** was applied as a primer so seal the concrete and also as scratchcoat to even the surface. Next step was the laying and connection of copper tape.



Module 4: **CP-Synthofloor 8860 LS-AS** – the conductive layer – was applied by roller. This intermediate coating shows a resistance value of $1 - 5 \times 10^3 \Omega$.



Module 5: Now the product **CP-Synthofloor 8460 A.S.** was applied - a system with electrostatically conductive polymer structures. This product offers high mechanical and chemical resistances.



Module 6: **SIC (Silicon Carbide)** was spreading all over the wet coating to achieve skid-proof properties with maintaining the conductivity; approx. 4 kg per square meter were used.



Module 7: The topcoat **CP-Synthofloor 8481 A.S.** is a special conductive product for areas with risk of explosion. It provides very high chemical and mechanical resistances, the average value of electrical resistance RE is $< 10^9 \Omega$ for non-slip surfaces.



For the upper floor area, our product **CP-Synthofloor 8460 A.S.** was applied in color tomato red. Within this production area there was no request of additionally skid-proof surface properties. Thus, the system modules no. 1-5 were conducted.

**Are you searching for floorings with suitable industrial properties?
We gladly assist you with our versatile portfolio and technical knowledge!**