



StoCretec

Building with conscience.

StoPox HVP 0

Easy and sustainable refurbishment of floors soiled with oil

Floor coating



Coating for industrial use





Sustainable refurbishment of oil-soiled floors

StoPox HVP O: barrier against oil rising by capillary action

Floor areas soiled with oil are a common problem in industrial sites. Oily coolant, lubricant, or other oily fluids can penetrate the concrete substrate over a longer period of time. Before the floor can be coated, the substrate must be refurbished. Oil rising by capillary action prevents a conventional floor coating from being applied to the floor.

Special substrate preparation is therefore required for oil-soiled floors. The soiled floor is first thoroughly cleaned with HVPO oil remover (Schencking & Bury GmbH). Due to the cleaning agent's excellent depth effect, the capillaries close to the surface are free of oil. The floor is then primed with StoPox HVP O. The epoxy resin acts as a barrier against oil rising by capillary action. It forms a resistant substrate for a durable coating.

The substrate is prepared without time-consuming removal of the soiled floor and subsequent reprofiling. It is therefore an economical and simple process. It does not cause any dust or noise pollution.

Benefits

- Economical
- Durable
- Environmentally friendly
- Free from solvents
- Simple implementation
- Cleaning deep into the concrete
- No removal of old oily floors
- No high-pressure cleaning necessary, no spray fog
- No dust formation as with milling or chiseling
- Significant reduction in special waste and disposal costs



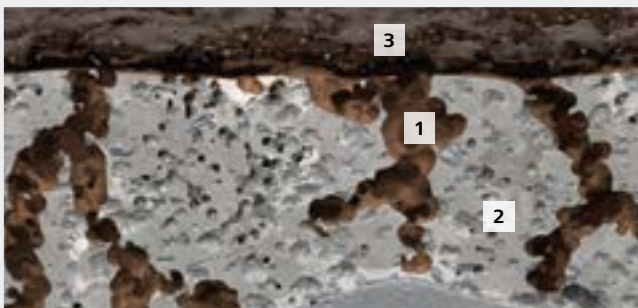
Cover photo:
Photo: BlackMediaHouse/
Kaesler Media/Adobe Stock

Floor of an industrial
hall soiled with oil.
Photo: ekkaluck/Adobe Stock

- 1 — Oil
- 2 — Concrete matrix
- 3 — Dirty oil crust
- 4 — Oil floats up
- 5 — Oil-foam mixture
- 6 — StoPox HVP O

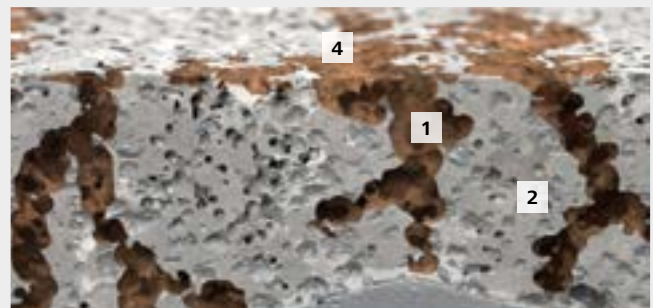
Work procedure

1 Concrete floor soiled with oil



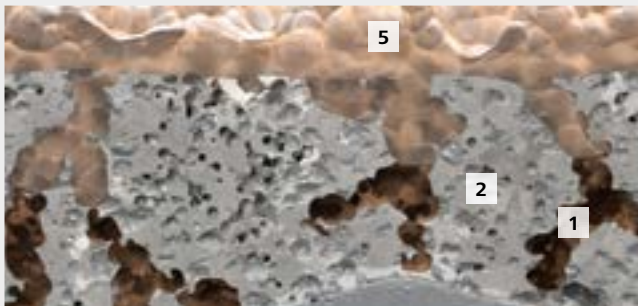
The dirty oil crust needs to be removed.

2 Concrete floor after shot-blasting



The concrete floor was shot-blasted. The oil floats from the capillaries to the surface. This process can last several hours.

3 Cleaning with oil remover



HVPO oil remover is applied and, if necessary, brushed into the capillaries with water. It separates the existing hydrocarbon chains and produces micro-oil particles. The capillary action and the water transport the encapsulated micro-oil particles to the surface. Foam development accelerates transport.

4 Capillaries are free of oil at the surface



The oil-foam mixture is removed from the surface and the part of the capillaries close to the surface using a wet vacuum cleaner.

5 StoPox HVP O penetrates into the capillaries



The StoPox HVP O primer penetrates into the free capillaries and forms a tight barrier against oil rising by capillary action.

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