

PRESENT

KÖSTER ORS

(Oil Remediation System to rehabilitate concrete surfaces, intended to make them suitable to receive any type of flooring system)

at the Project:

„Cleaning & coating of an oil contaminated concrete floor”
for „METSO OY”



Pic. 1: Outside view of the site



Pic. 2: Inside view of the site

METSO OY
Järvenpää, Finland

December 14-15th 2009

The following pictures show the initial situation on site: The concrete floor shown in the pictures 3 to 6 is saturated with oil.



Pic. 3



Pic. 4



Pic. 5



Pic. 6



Pic. 7: KÖSTER ORS Products / OERTZEN Washing & Vacuuming Machinery

Ordered by: „ALIMEX OY” Mr. Teemu Allonen
Applicator: „CM Serviss” Mr. Dainis Bludniks

The pictures 8 to 16 show the procedure of cleaning the concrete floor:



Pic. 8: Removing the coarse dirt with a broom



Pic. 9: Turbo Jet washing with hot & high pressured water (100°C, 300bar)



Pic. 10: Turbo Jet washed floor (top) & unwashed floor (bottom)



Pic. 11: Floor after washing with the Turbo Jet and after vacuuming



Pic. 12: KÖSTER ORC D detergent applied with the foam gun



Pic. 13: Supervision by Metso OY management



Pic. 15: Using the floor spinner to get the hot detergent / water mix with high pressure (100°C; 300bar) into the concrete to ensure removal of the oil to a sufficient depth (2-3cm)



Pic. 16: Clean surface & open capillaries after 3x spinning of KÖSTER ORC D and vacuuming of the left water.

The pictures 17 and 18 show the application of KÖSTER ORS C:



Pic. 17: Application of the oil resistant coating KÖSTER ORS C...



Pic. 18: ...blocking any further migration of the oil to the surface.

The finished project:



After a minimum curing period of 16 hours, KÖSTER ORC C - oil resistant coating - with quartz sand on top, is ready to receive a final coating such as resilient floorings or underlayments (e.g. polyurethanes or epoxies).

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Merry Christmas from Finland