

SUCCESS STORY

ENVIRONMENTAL PROTECTION

Enlargement of Alte Süderelbe Railway Station

PROJECT DATA

Brief description

Covering of siding tracks with Oil-Ex®-Absorption Mats.

Requirement

In order to avoid subsoil contamination caused by oil leaking locomotives, sidings within a huge shunting yard area had to be equipped with Oil-Ex®-Absorption Mats.

Place, year

Hamburg, 2005

PROJECT DESCRIPTION

In the year 2005 the Alte Süderelbe railway station was enlarged by German Railways DB. In the course of this measure the so-called Südkopf was also converted. As part of this process sidings were built, too. Due to the legal environmental constraints it became necessary to protect the siding tracks especially from possible contamination caused by oil dripping from parked locomotives. For that reason 570 sqm in total of the affected track area were fitted with Oil-Ex®-Absorption Mats.

SOLUTION

Oil-Ex® is made of elastomeric materials. It consists of a top absorption layer of bound pelleted rubber that absorbs liquid hydrocarbons such as oil, lubricants of low viscosity, motor fuels, organic solvents and selectively binds hydrocarbons from emulsions. The before mentioned substances are soaked up and chemically bound by the top layer. An impermeable layer on the underside of the mat prevents contamination of the subsoil.

The benefits:

- Absorption rate is not influenced by weather or temperature
- Easy installation, also on unconsolidated ground
- Full pedestrian access, limited vehicle traffic possible

