



## SITE REPORT



**TERRA-MIX**

REALIZED: JUNE 2010

BUILDING PROJECT: NEW BUILDING OF A PRODUCTION HALL

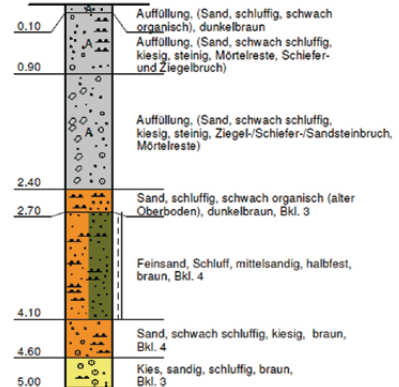
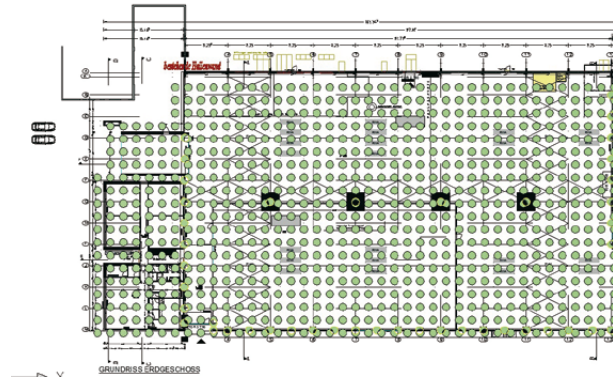
AWARDING AUTHORITY: NATUS GMBH. & CO.KG; D-54292 TRIER

AREA: 4.900M<sup>2</sup>



## Assignment:

For the new construction of a production hall an economic way of compacting the in-situ ground and in particular the 2.5m deep fill was being looked for.



## Solution:

The „TERRA-MIX Hybrid-foundation System“ was selected.

### 1. Step:

Impulse-Compaction in several work steps beneath the baseplate and the individual foundations, as well as re-filling of the settling cones with compactable fill material.

### 2. Step:

Creating a „Substitute base layer System TERRA-MIX“ with a layer strength of 40cm by means of milling a suitably with the ground harmonized binding agent into the ground. This substitute layer serves as a load compensating layer above the compaction columns.  $E_{vd} > 60 \text{ MN/m}^2$

## Results:

By using the „TERRA-MIX Hybrid-foundation System“ the use of resources could be minimized, the construction time be shortened and a foundation version of very high quality could be established.



**TERRA-MIX Boden-stabilisierungs GmbH**  
A-8521 Wettmannstätten  
Schönaich 96  
Tel.: +43 3185 30722-0  
Fax: +43 3185 30722-30  
office-at@terra-mix.com

**TERRA-MIX Bulgaria EOOD**  
BG-6000 Stara Zagora  
Pop Mincho Kanchev 84  
Tel.: +359 88 922 13 14  
Fax: +359 42 984 195  
office-bg@terra-mix.com

**TERRA-MIX Hungary Kft.**  
H-9700 Szombathely  
Simmelweis ut 2  
Tel.: +36 203 333 956  
office-hu@terra-mix.com

**TERRA-MIX sp. z o.o.**  
PL-56-400 Oleśnica  
ul. Wileńska 14  
Tel.: +48 72 899 00 35  
Fax: +48 71 718 23 30  
office-pl@terra-mix.com

**TERRA-MIX Deutschland**  
D-90439 Nürnberg  
Wallensteinstrasse 4  
Tel.: +49 171 2 17 92 25  
office-de@terra-mix.com