



# SIKA AT WORK

## REFURBISHMENT OF THE NESTLÉ MILK POWDER FACILITY NAVANAKORN, THAILAND

FLOORING & COATING: Sikafloor®, Sikagard® and SikaCor® VEL

BUILDING TRUST



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## PROJECT DESCRIPTION

Officially opened in 1988, Nestlé Navanakorn (Bangkok) was the first and still is the only milk powder factory in Thailand. Nestlé manufactures the country's best-loved milk powder brand such as BEAR BRAND and CARNATION from this plant. After the factory has been hit by the worst flooding in Thailand for the past 5 decades, the factory required a complete refurbishment of all floor areas. Effected areas included process areas, the chemical storage area and the entire warehouse.

## PROJECT REQUIREMENTS

Since all floors were submerged for almost six weeks it became apparent during the first inspection that a moisture barrier system was required in order to allow a safe application of the subsequent flooring systems and meet the tight refurbishment schedule. Furthermore, just-in-time delivery of the various Sikafloor® materials was required to guarantee Nestlé's start date for production in this 26.000 m<sup>2</sup> facility.

## SIKA SOLUTIONS

In order to cope with the severe moisture issue a temporary moisture barrier of Sikafloor®-81 EpoCem was installed. Sikafloor®-81 EpoCem allows the safe application of subsequent flooring systems by reducing the surface moisture content to a safe level hence preventing future blistering.

The following bespoke systems have been installed in the defined areas of the factory:

### Production Dry Zone Area (incl. controlled wet)

For the critical production areas with a high temperature exposure Sikafloor®-21 PurCem was installed. Sikafloor®-263 SL was applied as a 2 mm self-smoothing system in the remaining production areas.



### Non-production Areas

For the non-production areas Sikafloor®-264 as an economical roller coat was applied.

### Explosion Proof Zone (ATEX)

The ATEX requirement in the powder filling room was met by installing the electrostatic conductive Sikafloor®-262 AS N.

### Chemical Storage Rooms / CIP

For the areas with extreme chemical exposure SikaCor® VEL was used as a bund lining system.

### Storage Areas

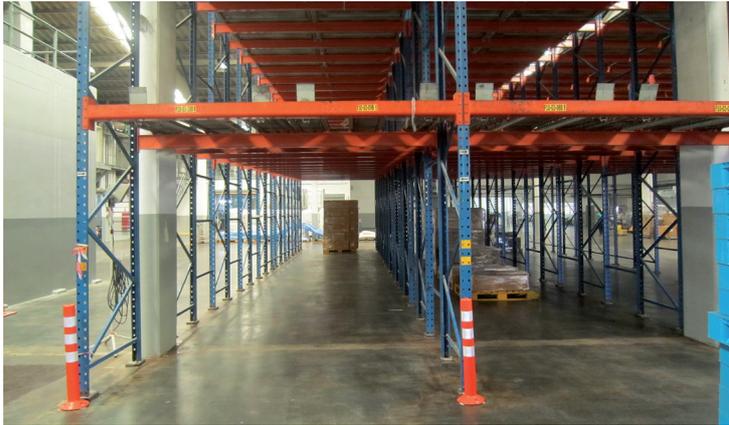
The existing warehouse floor is a concrete floor with a surface hardener, which was then treated with the concrete sealer Sikafloor®-ProSeal 22 and Sikafloor®-ColorSeal.

### Drinking Water Tanks

The concrete drinking water tanks were refurbished using the potable water certified Sikagard®-62.



# REFURBISHMENT OF THE NESTLÉ MILK POWDER FACILITY NAVANAKORN



## PROJECT PARTICIPANT

Owner: Nestlé (Thai) Ltd.

Sika organization: Sika (Thailand) Ltd.

Our most current General Sales Conditions shall apply.  
Please consult the Data Sheet prior to any use and processing.



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