



- A class tolerance floor
- Radon protection
- Surface hardener

# CASE STUDY

## Logistics

### PROJECT OVERVIEW

**Project:** DB Schenker Södertälje  
**Customer:** DB Schenker  
**General Contractor:** Consto  
**Engineering Company:** Structor (SE)  
**Performed works:** PrimX slab on ground, radon protection, surface hardening  
**Usage:** Logistic Terminal, Warehouse  
**Address:** Almnäs Logistic Park, Södertälje, Sweden  
**Casted:** May 2021 (2 weeks)  
**Area:** 15,000 m<sup>2</sup> (161,000 sq ft)  
**Slab thickness:** 100 mm, 200 mm (thickening high plinth)  
**CO<sub>2</sub> savings:** 270,000 kg (595,250 lbs.)



### CUSTOMER

DB Schenker is one of the world's leading logistics providers. The company operates land, air, and ocean transportation services, offering comprehensive logistics and global supply chain management solutions from a single source.

This new goods and parcel handling terminal will help DB Schenker improve customer service in the fast-growing Södertälje area. Customers will also benefit from the increased security of timely deliveries because the goods will no longer pass through Stockholm as they have until now.

### CHALLENGE

DB Schenker were looking for a flooring solution that would be a long-lasting, smooth, low-maintenance industrial floor with radon-proof protection.

As a leading provider of global logistics and transportation services, DB Schenker implements sustainability as a core business practice, which is why PrimX technologies' commitment to sustainability was a deciding factor for the customer.

The logistic terminal in Södertälje is contractor Consto's largest industrial project to date.



Joint-less



Perfect for ACP



Low maintenance



Stays flat

40% Less CO<sub>2</sub> emissions

Hygienic

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## SOLUTION

Primekss engineers forego the traditional reinforced slab design (thickness 120 mm) in favor of our own PrīmX steel fiber reinforced self-stressing concrete solution (thickness 100 mm).

PrīmX eliminates the negative effects of concrete drying shrinkage to ensure the floor is dimensionally stable and remains flat throughout its entire working life.

The special material properties of PrīmX concrete also ensure that the radon-proof solution is extremely efficient, eliminating the need for a radon membrane beneath the whole slab and thus saving time and expense.

PrīmX accelerated project pouring time. Project casting time was two weeks. During the process, with the help of our online quality system - PrimeQuality, there was constantly checked and monitored 21 key parameters to ensure the proper application of the technology to deliver a predictable, high-quality outcome.

Moreover, compared to traditional designs, by using less concrete, PrīmX reduced CO<sub>2</sub> emissions by 270,000 kg (595 248 lbs).



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