Linotol/ Stendörren

Case study

LINOTOL™

STENDÖRREN

Cemvision

ON SITE CONCRETE

1 000 m² slab on ground

Near-Zero Cement in Large-Scale Industrial Flooring

Re-ment Massive cast with Linotol technique in Upplands Bro, Sweden (2025)

Project Overview

In late 2025, Cemvision completed its largest real-world commercial project to date: the casting of a 1,000 m² industrial industrial floor for a logistics and warehouse facility, including office space. The floor was cast using Cemvision's near-zero cement product, Re-ment Massive, demonstrating its readiness for large-scale deployment in demanding industrial environments.

The project was delivered in collaboration with:
- Linotol, leading industrial flooring specialist
- Stendörren Fastigheter AB, Nordic logistics and light-industry property developer
- Norra Stockholm Bygg, project contractor

The Solution

The floor was cast using Re-ment Massive and the Linotol technique, a specialized method designed to:
- Minimize shrinkage
- Control cracking
- Ensure high flatness and durability
- Optimize performance for heavy industrial use

Importantly, the casting was carried out using:
- Standard equipment
- Conventional workflows
- Established placement and finishing methods

Customer Perspective

Linda Schuur, Head of Sustainability at Stendörren, highlights the strategic importance: "We aim to drive the transition towards more climate-smart construction and are excited to be among the first to deliver a large-scale industrial project using Cemvision's products. Sustainability is a significant part of Stendörren's strategy, and in all our projects, we implement materials with high environmental performance."

For developers like Stendörren, the value proposition is clear:
- Significant reduction in climate impact
- No added technical risk
- Compatibility with existing construction ecosystems

Concrete Design Critera

Industrial slab floors for logistics hubs, warehouses, and data centers require

- High structural strength
- Durability under heavy loads
- Controlled shrinkage and crack minimization
- Excellent flatness and surface quality
- Reliable workability during casting

At the same time

- Developers face increasing pressure to reduce embodied carbon
- Technical risk tolerance is low
- New materials must work within existing workflows

Execution and Performance

- Commercial casting under real production conditions

The concrete

- Performed in line with conventional alternatives
- Meet required strength and quality parameters
- Maintain expected workability during placement
- Deliver the structural and surface performance required for industrial flooring

Industrial floor

Compressive Strength: C28/35

Exposure class: XC1

Other:

- Ultra Low shrinkage
- Crack minimization
- Excellent flatness and surface quality

Performance test results and contractor feedback

Results

Real-World Commercial Performance

- Largest industrial commercial casting to date for Cemvision
- Seamless integration into existing industrial construction practices without requiring new machinery or disruptive process changes.
- Maintained expected:
  - Workability
  - Strength development
  - Surface performance
  - Structural integrity

Enabling Low-Carbon Logistics & Infrastructure at Scale. This project demonstrates that:

- Near-zero cement can perform in demanding industrial environments
- Large-scale concrete flooring can be cast without compromise
- Industrial performance requirements can be met without compromise
- Climate impact can be reduced without introducing technical risk

Strategic relevance

- Logistics hubs, warehouses & data centers are among the fastest-growing asset classes
- Driven by digitalization, electrification & AI infrastructure
- Strong alignment with sustainability-driven real estate strategies
- Market-ready solutions for low-carbon construction already exist

“Re-ment Massive was used within established workflows and performed as expected for a large-scale industrial floor.”

- Wiktor Holstensson, Deputy CEO of Linotol


Cemvision
We re-invent cement and lead the shift to a zero-carbon future