



Project Summary

ALP Supply, a building materials supplier in Fairless Hills, Pennsylvania, knows that space is valuable, especially when you are in the warehouse business. Efficient inventory management is a critical factor in a successful operation and positive customer experience. When ALP Supply took over an existing facility, they decided to maximize the space by building a mezzanine over the office area.

The mezzanine would be slab on metal deck (SOMD), and from prior experience, ALP Supply was familiar with the challenges of building crack-free mezzanines. Pouring concrete on a metal frame can cause high tensile stresses as the concrete shrinks, which may result in cracking. The cleanliness of a flat crack-free slab was important to ALP Supply. Low shrinkage concrete was specified, including PREVent-C technology to control the shrinkage and curling and Nycon PVA fiber for quality reinforcement.

The result was a flat, jointless SOMD with zero cracking. Barry Fleck, owner of ALP Supply, said, "The edges of the slab, where the concrete meets the metal form, are so tight you couldn't slide a piece of paper in between the two."

Owner: ALP Supply

Ready Mix Supplier: JFI Ready Mix

General Contractor: R&S General Contracting

Concrete Contractor: R&S General Contracting

Shrinkage Reducing/Compensating Admixture: PREVent-C®

PVA Fiber Reinforcing: Nycon