

Petroleum Coke Storage Building Case Study

Adfil®Strux BT50

@10.0 LB/YD³



LOCATION:

Los Angeles, CA

CONTRACTOR:

Matt Construction

CONCRETE PRODUCER:

Cal Portland, LA

PROJECT:

Slab on the ground

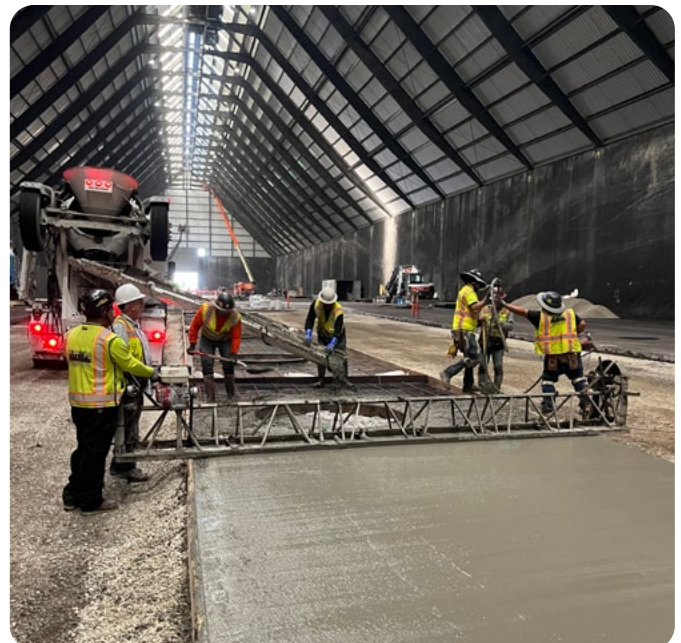
VOLUME:

2,000 yd³

Project Highlights

While the original design called for 44 lb/yd³ of steel fiber, long lead times for steel were expected to disrupt the project schedule and increase costs. Cal Portland LA proposed **Adfil®Strux BT50** at 10 lb/yd³ as an equivalent solution.

Adfil®Strux BT50 is a synthetic macro fiber designed to provide similar post-crack performance to steel fibers while providing superior workability and finishability. It is specifically designed to be used at high dosage rates, typically greater than 8lb./yd³. **Adfil®Strux BT50** fibers are corrosion-resistant, safer and easier to handle for



both the concrete supplier and concrete contractor. The conversion from steel to synthetic fibers is based on **Adfil'Strux BT50's** equivalent flexural strength performance, tested in accordance with ASTM C1609.

Conclusion

The successful conversion of steel fibers to **Adfil'Strux BT50** synthetic fiber saved time and money by keeping the project on schedule. The owner was please with the floor appearance and has used **Adfil'Strux BT50** on additional phases of the project.

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