

# nVent LENTON Grout Proves Reliable in Cold Weather



## CASE STUDY

Temperatures approaching the freezing point can cause headaches for construction projects in the winter. With a timeline to build a new parking structure in Camden, New Jersey, scheduled throughout the winter season, High Concrete, a precast and design firm, and JL Erectors, a placement crew, needed to find a grout solution for their structural connections that could perform in cold temperatures.

Ultimately, both High Concrete and JL Erectors agreed on utilizing the nVent LENTON Interlok line of grout products. High Concrete has trusted nVent LENTON for over 15 years with grouted connections thanks to the reliability and performance in a variety of environments.

For the winter season, High Concrete and JL Erectors teams needed a grout solution that had a longer pot life and shorter mixing time to improve construction efficiency. The Interlok system with HY15LM was the perfect solution to reach this goal.

The HY15LM grout is a proprietary, nonmetallic, high-strength, non-shrink grout developed for the Interlok coupling system. HY15LM grout cures quickly, allowing for early removal of bracing systems and is designed to provide superior dynamic, seismic and ultimate strength. New to the market, this grout replaces the nVent LENTON HY10L grout as a high performance grout for moment frame applications.

With the project scheduled throughout the winter, High Concrete and JL Erectors also needed to find a solution that would allow for continued construction in cold temperatures. nVent LENTON also had

an answer for this dilemma by providing the nVent LENTON HYA15CT cold temperature additive.

The HYA15CT cold temperature additive increases the temperature range in which the Interlok system can be used, down to 20 °F. The proprietary additive is designed to be used with the HY15LM grout to enhance grout curing below 40°F. HYA15CT guarantees the performance of the Interlok system at low temperatures by adding heat to overcome freezing and allows crews to continue construction during the cold weather season.

"Using the nVent LENTON line of grout solutions ultimately made our operations easier and quicker than the alternatives," said Troy Foster, Superintendent, JL Erectors. "Having both a high quality grout that we could trust along with the additive that allows us to work throughout the winter directly helped us stay on schedule and get the job done."

By using both the nVent LENTON HY15LM grout and nVent LENTON HYA15CT grout additive, JL Erectors was able to continue working efficiently throughout the harsh winter conditions and experience labor and time savings, finishing the project on schedule.

"We believe that the new features in the HY15LM grout and the HYA15CT cold weather grout additive will significantly improve construction operations, specifically during the winter," said Lou Colarusso, North America Director of Sales, nVent LENTON. "We are proud that the full suite of Interlok solutions was able to help JL Erectors complete their project quickly and safely."



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