FAQs

NVENT LENTON INTERLOK WITH HY15LM GROUT

Q Does nVent LENTON Interlok meet international performance requirements?

A Yes, Interlok meets the mechanical connection requirements of most international building codes and has been tested on multiple grades of reinforcing bar. Contact your local nVent LENTON representative or nVent LENTON customer care for specific test results.

Q Does Interlok have an evaluation report?

A Yes, Interlok couplers are recognized in IAPMO®-UES Report 0129. View reports at nVent.com/LENTON.

Q What is the minimum embedment of the reinforcing steel bar into the Interlok sleeve?

A Minimum embedment is defined in the Interlok User's Manual, available at nVent.com/LENTON.

Q How much lateral tolerance is in a Interlok coupler?

A Interlok couplers are designed to be 1 inch (25 mm) larger in diameter than the nominal diameter of the reinforcing steel bar. For example: #11 (36 mm) reinforcing steel bar has a nominal diameter of 1.41 inches (36 mm), based on ASTM® A615. The inside diameter of a #11 Interlok coupler is, therefore, 2.44 inches (62 mm).

Q Are Interlok couplers offered in transitions where the nVent LENTON threaded side is smaller than the grouted end of the casting?

A Yes, Interlok couplers can be manufactured with a larger size casting to provide additional lateral tolerance for the foundation bars. Example: #11 (36 mm) bars from the foundation, using a #14 (43 mm) Interlok coupler with a #11 (36 mm) nVent LENTON thread would be part number LK1411.

Q What coatings are available for Interlok couplers?

A Interlok is available in hot-dip galvanized and epoxy coatings.

Q Are Interlok couplers required to be torqued onto the reinforcing steel bar?

A Interlok couplers can be installed using a standard pipe wrench or torque wrench. Periodic tightness checks are suggested using a nVent LENTON inspection wrench. See local code or job requirements for inspection frequency details.

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Q What is the minimum compressive strength of the Interlok grout (HY15LM)?

A The HY15LM grout will typically develop in excess of 16,000 psi (110.3 MPa) in 28 days. A table relating tensile splice performance to grout compressive strength is available at nVent.com/LENTON.

Q What is the allowable temperature range for using the Interlok grout (HY15LM)?

A The recommended temperature range is 32º F (0º C) to 100º F (38º C). For more information, please refer to the Interlok User's Manual at nVent.com/LENTON. Also, refer to ACI 306 for a guide for cold temperature concreting.

Q What if temperatures are outside of the standard ranges?

A Specially designed additives are available for high-temperature (HY15LMHT: 122ºF, 50ºC) and low-temperature (HY15LMCT: 20ºF, –7ºC) applications. For more information, please contact your local NVent LENTON representative or NVent LENTON customer care, or visit nVent.com/LENTON. Also, refer to ACI 306 for cold temperature practice.

Q How are the reinforcing steel bars positioned at the job site?

A nVent LENTON recommends using the Interlok Rebar Splicing System Field Template Instructions, available at nVent.com/LENTON/catalog/literature/CRSLK1.pdf

Q How do I get reinforcing steel bar ends threaded with nVent LENTON tapered threads?

A nVent LENTON can accommodate the threading of the reinforcing steel by either providing the precaster with a portable nVent LENTON threading machine or by purchasing the reinforcing steel bar, pre-threaded with tapered threads from local fabrication shops. Contact customer care for a list of regional fabricators that provide this service.

Q Does ERICO provide a technical manual on the Interlok system?

A Yes, the Interlok User's Manual is available at nVent.com/LENTON.

Q Do you have 2D or 3D CAD details of your coupler products?

A Yes, 2D and 3D CAD files for nVent LENTON couplers are available at nVent.com/LENTON.