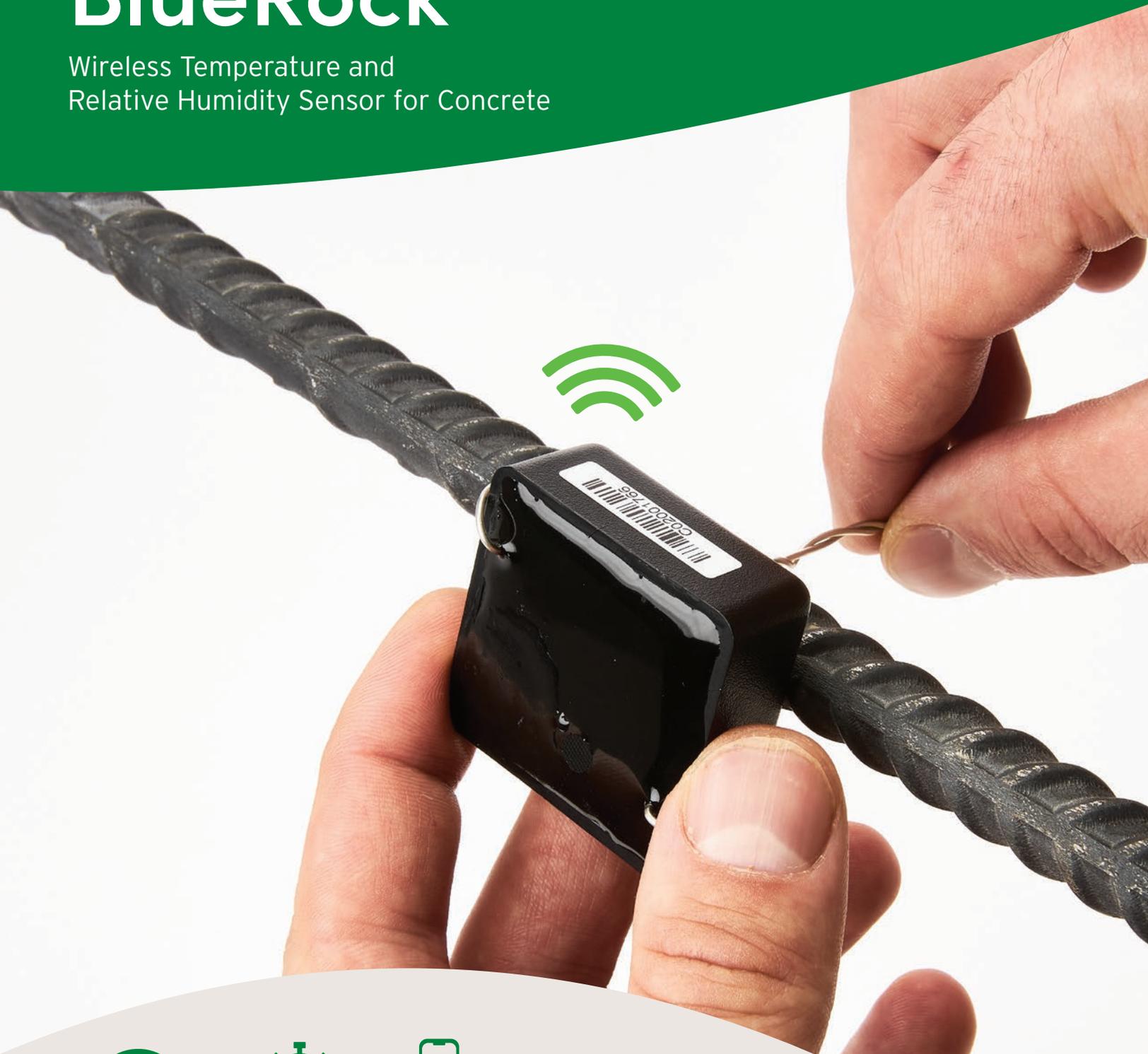




BlueRock™

Wireless Temperature and
Relative Humidity Sensor for Concrete



Wire-Free
& Wireless
Technology



Easy
Activation &
Installation



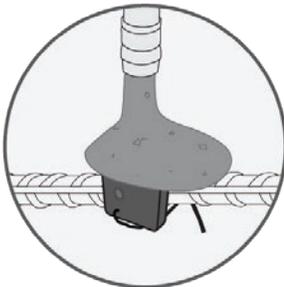
Real-Time
Data
Collection

Get Started With BlueRock in 3 Easy Steps

1. Activate & Install*



2. Pour Concrete



3. Get Sensor Data



Overview

BlueRock is a wireless sensor for monitoring the temperature and relative humidity of in-place concrete from fresh to hardened stages. The sensor is fully-embedded and secured on the rebar, making it completely maintenance and hassle-free. Temperature and relative humidity are continuously measured and recorded by the BlueRock device.

Current destructive and time-consuming methods for temperature and relative humidity monitoring only measure one data point at the testing time and require drilling a hole into your concrete. With BlueRock, you can monitor variations in your concrete's internal relative humidity using the BlueRock mobile app (available for Android/iOS devices). This data is used as a QC/QA method. By knowing the level of relative humidity of in-place concrete, you can optimize the timing in which floor coverings are installed, such as resilient flooring, epoxy coating, or wood.

Features

Software

- Accurate real-time data display (i.e. relative humidity and temperature)
- Free Android and iOS app
- Interactive plotting of data
- Full PDF and CSV reporting and data exporting and sharing
- Continuous measurement and recording of relative humidity and temperature

Hardware

- Wire-free and wireless technology
- Rugged and waterproof design
- Easy installation and activation by tying the wires together
- Long battery life (up to 2 years after installation)
- Customizable data measurement frequency
- Memory capable of recording up to 2500 data points

* Sensors should be installed within 2 in (5 cm) below the surface of concrete.

Applications

- Drying level in concrete floors
- Effectiveness of curing conditions
- Optimization of flooring installation
- Water penetration in concrete
- Monitoring of relative humidity



Technical Specifications

Temperature Reading Range
-22°F to 140°F (-30°C to 60°C)

Temperature Accuracy
± 1.8°F (± 1°C)

Relative Humidity Reading Range
0 to 100%

Relative Humidity Accuracy
20% - 80%, ±2% <20% or >80%, ±3% Hysteresis ±1%

Wireless Signal Range
Up to 26 ft (8 m*)

Battery Life
Up to 2 years

Data Communication and Analysis
Free Android & iOS app