



Innovative Vibrator for ICF Concrete Consolidation

BRECON Inc. Vibration Technology has been the manufacturer of **BOSCH®** vibration equipment for over 30 years. They are well-known for their experience in engineering and the design of custom vibrators for a wide variety of applications. No matter what the customer specifications are, **BRECON** has the technology to design a system to fit their exact vibration requirements.

Creating good-quality concrete consolidation is essential for strong, energy-efficient ICF walls. Voids and honeycombing can affect the structural integrity of the walls. Especially the corners and lintels; these are the areas that need the most strength and are the areas where poor consolidation is most likely to occur. These critical areas need adequate vibration. The use of internal vibrators has several negative issues; they get caught in the rebar and the loss of equipment becomes costly to the contractor.



Consolidates concrete from the outside of the ICF form.

With the rise and growth of ICF construction and the emphasis on technical development, **BRECON** decided to become part of this great innovation. Their team of German Engineers embarked on designing a new hand-held tool that would be imperative and essential in the ICF industry. Vibrating the concrete from the outside to ensure an evenly distribution of concrete throughout the ICF walls.

During the World of Concrete Show in January of 2007, **BRECON** had their **ICF vibrator** on display. The response of the tool presentation received an over-whelming reaction from the WOC attendees.

The key advantages of using this imperative tool were; consistent consolidation of concrete, speeds up production time, easy access across windows and in corners. No rebar problems and no loss of labor time. Simple and efficient, this tool is built tough and durable for any task on any job-site.

The **ICF vibrator** is a hand-held tool, which consists of a vibrator mounted on an aluminum board. After the concrete is poured in the form, the tool is then applied to the outside of the insulated concrete form. The application technique is started at the bottom of the form and moves in an upward motion. From the outside, the tool vibrates the concrete inside the form to allow air to float up and out of the concrete, creating a consolidated, compacted structure. **BRECON** is confident that the **ICF vibrator** is the solution for the **Superior-Quality Consolidation** issue.

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