

Deep Cracks Are Positively Identified As Full Depth

Technicians Devise a Method To Positively Identify and Repair Deep Cracks

Does that crack go all the way through? How do you know?

That was the question presented when visual examination of a 8' diameter column displayed multiple cracks. Some of the cracks seemingly aligned with cracks on the opposite side of the column. Did the fractures die at the reinforcement cage? Or did the cracks penetrate the depth of the column to the other side. There was no way to be certain without bringing in expensive measuring



equipment. Sonic detection or x-ray investigation equipment is typically employed.

A technician employed by TECVAC, Inc. came up with a novel method to answer this question. By installing a proprietary skirting assembly around the column and then applying negative force to the skirt, individual cracks can be confirmed to penetrate the entire thickness of the member. Or, on the other hand, the cracks can be confirmed to be surface only cracks with no connection. This is a tremendous advantage to the engineer seeking problematic cause and distinct repair outcomes.

Moreover, TECVAC technicians are able to confirm the ability of individual cracks to accommodate and receive repair resins. Prior to the introduction of repair resins, the entire lengths of the fractures can be confirmed and recorded. Port to port identification will display dead spots within and along the zone.

For more information phone TECVAC, Inc. toll free at 800 847-9324.

"Taking Quality To A New Level... Worldwide"

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