

March 4, 2025

BAB Supply LLC
434 Christian Herald Road,
Valley Cottage, NY 10989

Attn: Larry Blinn

Re: Boyd Dowel Product Approval – 7" Slab
DeSimone Project # 190061.00

Mr. Blinn,

The BAB Insert replaces the need to cast or drill in #4 or #5 dowels in 7" slabs. The inserts passed multiple tests in shear and tension when compared against the capacity of cast in dowels on October 17, 2023. The rebar yields in the tension test. In the shear tests, the insert has localized deformation.

The proposed insert replaces the need to cast in or drill the commonly used #4 and #5 dowels required in concrete construction. The minimum slab thickness is 8". For thicker slabs, extension bolsters are available. The polypropylene has a threaded interior with ribs and steps on the outside to provide transfer loads in bearing instead of friction.

This insert can be used anywhere a #4 or #5 dowel is needed. Primary uses are for CMU wall installation, curbs and pads. It can also be used for lightly reinforced concrete walls. Site safety is improved with the reduction in impaling hazards for cast in place dowels. Site safety is also improved by eliminating concrete drilling with exposure to Silica and leading edge work exposure. As an added safety feature, there is no need to X-ray the slab to locate tendons in post tensioned slabs. For pre-cast work, formwork and drilling are also simplified.

We have submitted the BAB insert for approval by OTCR. We look forward to seeing this product on our projects.

DESIMONE CONSULTING ENGINEERS


Borys Hayda, PE
Managing Principal

