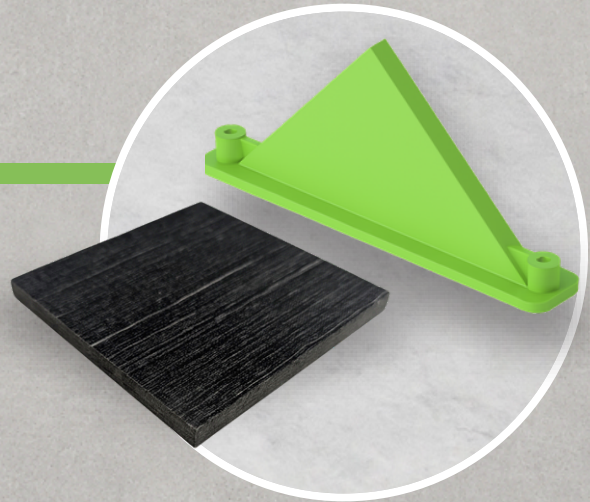


THE POLYDOWEL™

CFRTP COMPOSITE LOAD TRANSFER DOWELS
DURABLE SLAB-ON-GRADE CONCRETE FLATWORK



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CFRP COMPOSITE LOAD TRANSFER DOWELS

KEY ADVANTAGES:



DROP-IN:

Direct replacement for steel plate dowels.



LIGHTWEIGHT:

~20% of the weight of steel for easier handling and installation.



NON-CORROSIVE:

Won't rust, combining stainless durability with steel practicality.



SAFER HANDLING:

Burr-free with tighter thickness tolerances.



NON-METALLIC:

Non-conductive for sensitive or specialized facilities.

Equivalent joint performance based on full-scale testing in an ISO 17025 accredited laboratory.

SLAB DEPTH

5-8 in
(130-200 mm)

DOWEL DIMENSIONS*

3/8 x 4 1/2 x 4 1/2 in
(9 x 110 x 110 mm)

DOWEL SPACING (Center-to-Center)

12-18 in
(305-460 mm)

SOURCE MATERIAL:

ACI 360R-10, Design of Slabs-on-Ground, Table 6.1; ACI 302.1R-04, Guide for Concrete Floor and Slab Construction, Table 3.2 PCA 4th Edition, Table 6.2

NOTES:

1. Total dowel length includes allowance for joint opening and minor positioning errors.*
2. Not intended for saw-cut contraction joints due to placement tolerances.
3. Table values based on maximum opening of 0.2 in. (5 mm).
4. Proper dowel alignment and support during concrete operations are critical.
5. Misaligned dowels may lead to joint cracking.



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