

Armor-Edge™ Joint Assembly

Guarantees the Perfect Floor Joint

Armor-Edge™ Joint Assembly is a superior edge protection system for high-traffic areas, jointless floor designs and freezer buildings. A fully fabricated unit, the Armor-Edge assembly provides a smooth surface transition for forklift traffic and reduces long-term floor and fork truck maintenance costs.

Engineering Advantages

- Eliminates spalling for the life of the floor
- Provides superior edge protection
- Can be installed to exacting tolerances

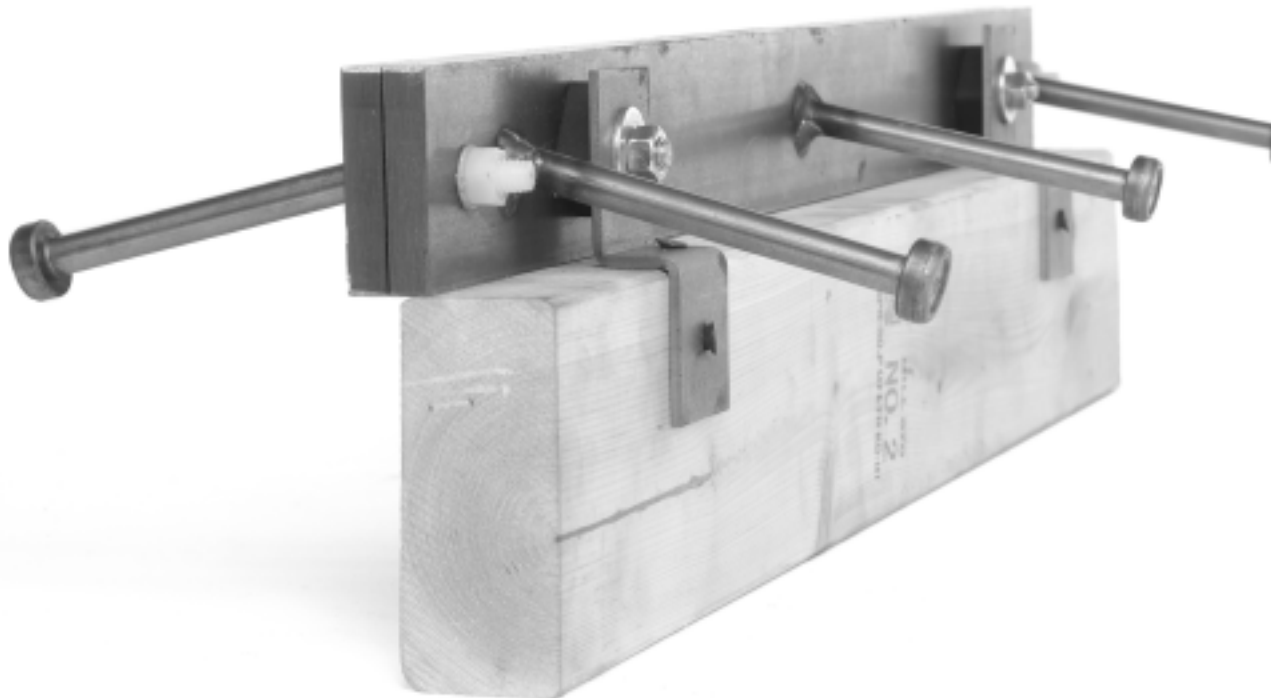
Cost Effective

- Eliminates onsite welding or grinding with skilled labor
- Anchor-mounts to the forms

Ease of Installation

- Armor-Edge™ is shipped fully aligned and assembled for simplified, efficient and accurate installation.
- Cold-rolled steel provides a flat exposed surface edge to finish against.
- Provides easy stripping of forms.

A national flooring contractor from St. Louis estimated a 70 percent savings in time and labor costs to install the PNA Armor-Edge™ joint assembly system.



Instructions for Use

The standard length is 12 feet with a 4-inch offset.

Step 1

Set the wood form 2" below the top of the slab. Stake the form.

Step 2

Secure the Armor-Edge™ joint assembly to the form at the top and back of each assembly bracket with two 8d duplex nails per bracket.

For long runs the armor edge should be joined at the overlap using the nylon nuts and bolts provided.



Step 3

Mark chalk-line on wood forms 3/4" above slab center or minimally at the top of the form so the center line of the Diamond Dowel® plate will be a minimum of 2 1/4" below the top of the slab.

Step 4

Attach the Diamond Dowel® Pocket Former onto the wood form with the pre-assembled nails. The centerline of the dowel will be aligned at the mid-slab depth.



Step 5

Check the assembly for the correct line and elevation and adjust if required.



Step 6

Pour and finish the first slab. Use internal vibration to consolidate concrete under the Diamond Dowel® Pocket Former per ACI specifications. Remove concrete paste from the top of the plate and bar during finishing.



Step 7

Remove the steel shipping bracket and nut from the Armor-Edge™ joint assembly. Then strip the form and bend the nails that are protruding from the Diamond Dowel® Pocket Former so they are flush with the joint face. Insert the Diamond Dowel® plate into the slot created by the Diamond Dowel® Pocket Former.

Step 8

Pour and finish the second slab. Use internal vibration to consolidate concrete under the Diamond Dowel® Plate per ACI specifications. Remove concrete paste from the top of the plate and bar during finishing. The threads of the nylon nut will strip when the concrete contracts.

Note: Diamond Dowel® system is sold separately.

Where significant slab movement is expected, steel plating of the joint edges is recommended; for strengthening the edges.

—ACI 302.1R-04

LOAD TRANSFER SYSTEMS

- ▶ DIAMOND DOWEL® SYSTEM
- ▶ LOAD PLATE BASKET™ ASSEMBLY
- ▶ PD³ BASKET™ ASSEMBLY
- ▶ ROUND/SQUARE DOWELS, CLIPS & BASKETS

JOINT PROTECTION PRODUCTS

- ▶ ARMOR-EDGE™ JOINT ASSEMBLY
- ▶ ARMOR-EDGE™ N2E JOINT ASSEMBLY

HYDRACURE™ COVERS



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