

# IRON-CLAD™ JOINT ASSEMBLY

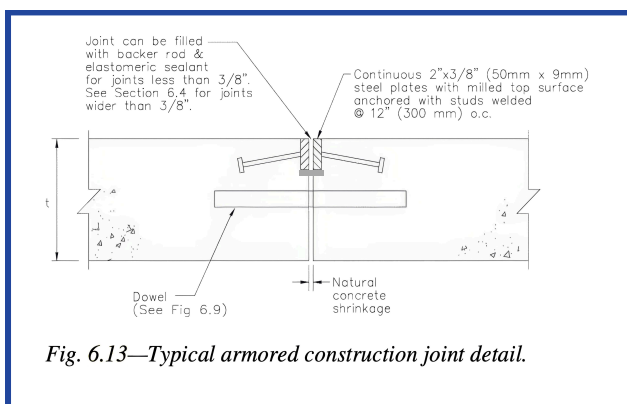
## ARMORED JOINTS FOR SPALL-FREE NEW CONSTRUCTION

**Iron-Clad™** joint assemblies are precise, armored joints designed to reduce your concrete slab on ground and equipment maintenance costs over the life of your project. These armored joints are engineered to eliminate spalling in floors with small, hard-wheeled lift truck traffic. Iron-Clad™ joint assemblies are ideal for freezer and cold storage facilities where limited thermal expansion and contraction is expected.

Interior and exterior edge protection for Column Line and Jointless (between construction joints) concrete flatwork designs:

- Proprietary floors with liquid additives and macro synthetic fibers
- High dosage macro-synthetic fibers with low shrinkage concrete mixes
- High dosage steel fiber joint free slabs
- Shrinkage-compensating concrete
- Post-tensioned

**Iron-Clad™** joint assemblies protect slab edges and ensure adjacent surfaces remain in the same plane with repetitive loading when used with traditional plate dowels. High tolerance steel bars have square edges for exact and simple concrete finishing. The Iron-Clad™ joint is assembled with nylon nuts that yield with normal concrete shrinkage to reduce joint cracking. And, the built in joint-fill bar supports joint filler and allows wheels to transition smoothly across the joint.



Similar to: ACI 360R-10 Guide to Design of Slabs-on-Ground

***"Iron-Clad™ joint assemblies provide seamless transitions."***



Iron-Clad™ joint assembly



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**Iron-Clad™** joint assemblies for consistent and simple installation:

- Arrives on site fully assembled
- Installation is quick using traditional timber forms with plate dowels
- Smooth, square edges provide a flat finishing surface
- Built in joint-fill bar supports the semi-rigid joint filler
- Newly designed mounting brackets allow for simple installation and form stripping

### Material Options:

- Standard - Grade 1018 steel certified to ASTM A108
- Corrosion resistant - Galvanized or stainless steel options available on request Grade 304L or Grade 316L
- Product length 9' 11" with 6" offset for overlapping ends



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