

STRUX® 90/40 Product Comparison

STRUX vs. Steel Fiber Reinforcement: Slab-on-Grade Applications

- Structural properties (flexural toughness) are similar or improved with STRUX® 90/40, compared with steel fibers.
- Plastic shrinkage cracking is reduced with STRUX due to higher fiber count.
- STRUX at 4 lbs/yd reduces plastic shrinkage cracking 75–90%, with no need for addition of plastic shrinkage fiber to control cracking.
- Steel fibers at 35 lbs/yd reduces plastic shrinkage cracking less than 10%.
- STRUX is easier and safer to use than steel fibers.
- STRUX comes in 5 lb bags; steel fiber comes in 50 or 55 lb bags.
- Synthetic fibers are safer to handle than steel.
- STRUX eliminates the pop-ups that can occur with steel fibers, because STRUX is flexible and lays down better on the slab.
- STRUX provides a safer surface finish vs. exposed steel fibers, for example, eliminating potential hazards to vehicle tires.
- STRUX is a synthetic material, eliminating corrosion and durability problems, and improving aesthetics.
- STRUX is easier to pump than steel fibers. Placement and finishing are similar.

We're here to help!

To learn more about Grace Fibers or STRUX Fiber Reinforcement as a replacement for welded wire fabric for slabs and composite metal decks or other applications, talk to the experts! To locate your local Engineering Services Group (ESG) representative, please contact North America Grace Customer Service at 1-877-4AD-MIX1 (1-877-423-6491).



Left: Steel fibers at 40 lbs/yd results in a low fiber count.
Right: STRUX 90/40 at only 4.5 lbs/yd produces a high fiber count and improved plastic shrinkage cracking control.

www.graceconstruction.com

North American Customer Service: 1-877-4AD-MIX1 (1-877-423-6491)

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