

In the late 1800s, Ernest Ransome twisted square metal stock it into the original rebar. It was revolutionary high performance reinforcement and countless structures were built with it until the mid 1900s. SteelX pieces mimic the shape of the original Ransome bars, but are much smaller and stronger. When SteelX is mixed throughout fresh concrete, it dramatically increases the shear and tensile strength of cured concrete, thereby increasing its toughness and durability through the prevention or delay of crack coalescence.

Purpose

SteelX 5:25 GOLD is added to ordinary or high performance concrete:

- a. to increase the flexural strength of concrete
- b. to reduce shrinkage and temperature cracking
- c. to replace rebar in structural concrete

Original concrete designs should be carried out by a registered design professional.

Physical Properties

Material:	High carbon steel
Diameter:	0.50mm (0.02")
Length:	25mm (1")
Deformation:	Twisted on axis
Tensile Strength:	262ksi Min
Quantity:	11,500 pcs/lb
Coating:	Non-Reactive corrosion protection
Appearance:	Gold

Pre-load Mixing procedure

1. Add required SteelX directly to the truck.
 2. Mix with min 80% mix water for 30-60 seconds.
 3. Add all other materials and mix as per normal.
- Note: Slump loss must be considered for dosages over 17lb/yd³

Applications

- Slabs on Ground
- Footings
- Poured walls
- Jointless or extended joint slabs
- Slab on metal deck
- Tanks and other precast elements
- Bored Piers
- Shotcrete
- Suspended slabs along with rebar
- Decrease cracking probability

Typical Dosages for Applications

Shrinkage & Temperature -	9-16lb/yd ³
Supported Structural -	9-42lb/yd ³
Unsupported Structural -	30-67lb/yd ³



Please visit www.steelxrebar.com for more information or call (951) 360-0852
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