

SteelX Rebar is a technology invented over 20 years ago in the USA and has generically become known as Twisted Steel Rebar. Due to the twist along the length of the wire, SteelX Rebar engages the concrete matrix prior to the formation of a dominant crack, improving the first crack strength (MOR) and must untwist from the concrete matrix resulting in a stable post crack capacity.

## Purpose

SteelX 5:25 GOLD is added to ordinary weight concrete and may be used:

- to increase the modulus of rupture or first crack strength of the concrete matrix,
- to reduce shrinkage and temperature cracking, and
- as tension and shear reinforcement in structural concrete.

Designs incorporating SteelX 5:25 GOLD 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

## Mixing procedure

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

## Applications

- Slabs on Ground
- Footings & Foundations
- Walls
- Jointless slabs
- Heavy Load slabs
- Tanks and Precast elements
- Bored Piers
- Shotcrete
- Suspended Slabs
- Reduce crack widths and crack spacing design

## Typical Dosages for Applications

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



Please visit [www.steelxrebar.com](http://www.steelxrebar.com) for more information or call (951) 360-0852

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