STEELX REBAR

TAILORED CRACK WIDTH PERFORMANCE

Data Sheet 5:25

Due to the twist along the length of the wire, SteelX 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 to large crack widths. SteelX is easy to mix, pump, place and finished and has been successfully used in the Australian market for many years.

Purpose

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

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

Physical Properties

Material:	High carbon steel
Diameter:	0.50mm
Length:	25mm
Deformation:	Twisted on axis
Tensile Strength:	1800MPa Min
Quantity:	25,300 pcs/kg
Coating:	Non-Reactive corrosion protection
Appearance:	Gold

Applications

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

Mixing procedure

1. Add required SteelX directly to the truck.
2. Mix with min 80% water only for 30-60 seconds.
3. Add all other materials and mix as per normal.

Note: Slump loss must be considered for dosages over 10kg/m3.



Typical Dosages for Applications

Shrinkage & Temperature	5-10kg/m3
Supported Structural	8-25kg/m3
Unsupported Structural	18-40kg/m3

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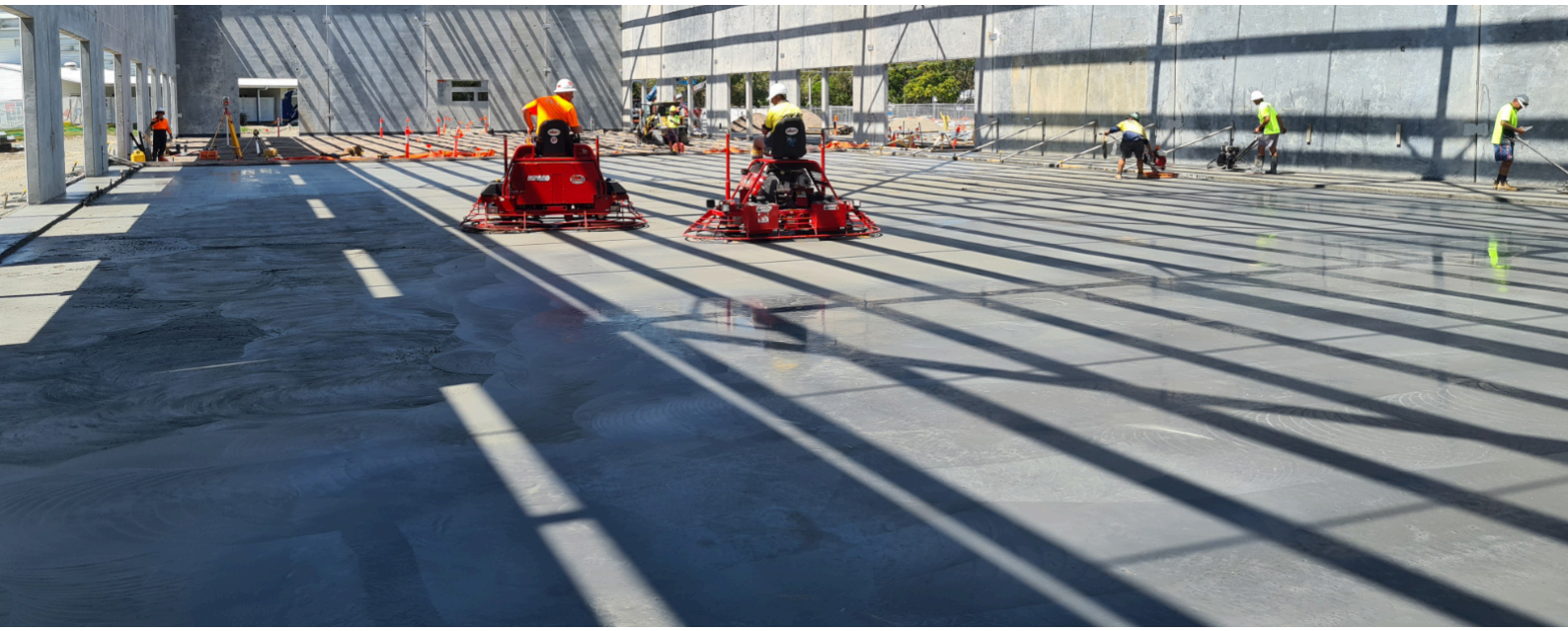
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