

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 out 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 8:45 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.

Physical Properties

Material:	High carbon steel
Diameter:	0.80mm
Length:	45mm
Deformation:	Twisted on axis
Tensile Strength:	1800MPa Min
Quantity:	5400 pcs/kg
Coating:	Uncoated
Appearance:	Dark grey

Applications

- Jointless warehouse slabs
- Slabs on Ground
- Footings & Foundations
- Liberty Slabs
- Heavy Load slabs
- Tanks and Precast elements
- Bored Piers
- Suspended Slabs
- Tunnel segments
- Economical TR34 designs

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	10-20kg/m ³
Supported Structural	15-25kg/m ³
Unsupported Structural	20-40kg/m ³





TAILORED
CRACK WIDTH
PERFORMANCE

8:45

THE SOLUTION TO STRONGER, FASTER AND SAFER CONSTRUCTION

