



Building

Industrial flooring

- **Flooring:** Dramix® and Sigmaslab®
- **Flooring:** Pre-stressing strands

Key trends

- Target to reduce CO₂ - **sustainability**
- Further **urbanization** in developing countries
- **Safety/quality/reliability** of the structure = Peace of mind & safety during construction on the job site

Sustainable industrial floors that keep your space running



Challenges

- Each industrial floor has its unique challenges due to **heavy wear and tear caused by daily traffic**, forklifts, robots, and heavy machinery.

Benefits



Up to 20% more cost-efficient
Installing SigmaSlab® is easier and faster than traditional concrete reinforcement solutions.



Up to 35% more sustainable
Compared to conventional reinforcement solutions, SigmaSlab® reduces steel by up to 70%.



Minimum maintenance
Create joint-free distances up to 150 meters, and reduce the number of joints and their associated weaknesses.

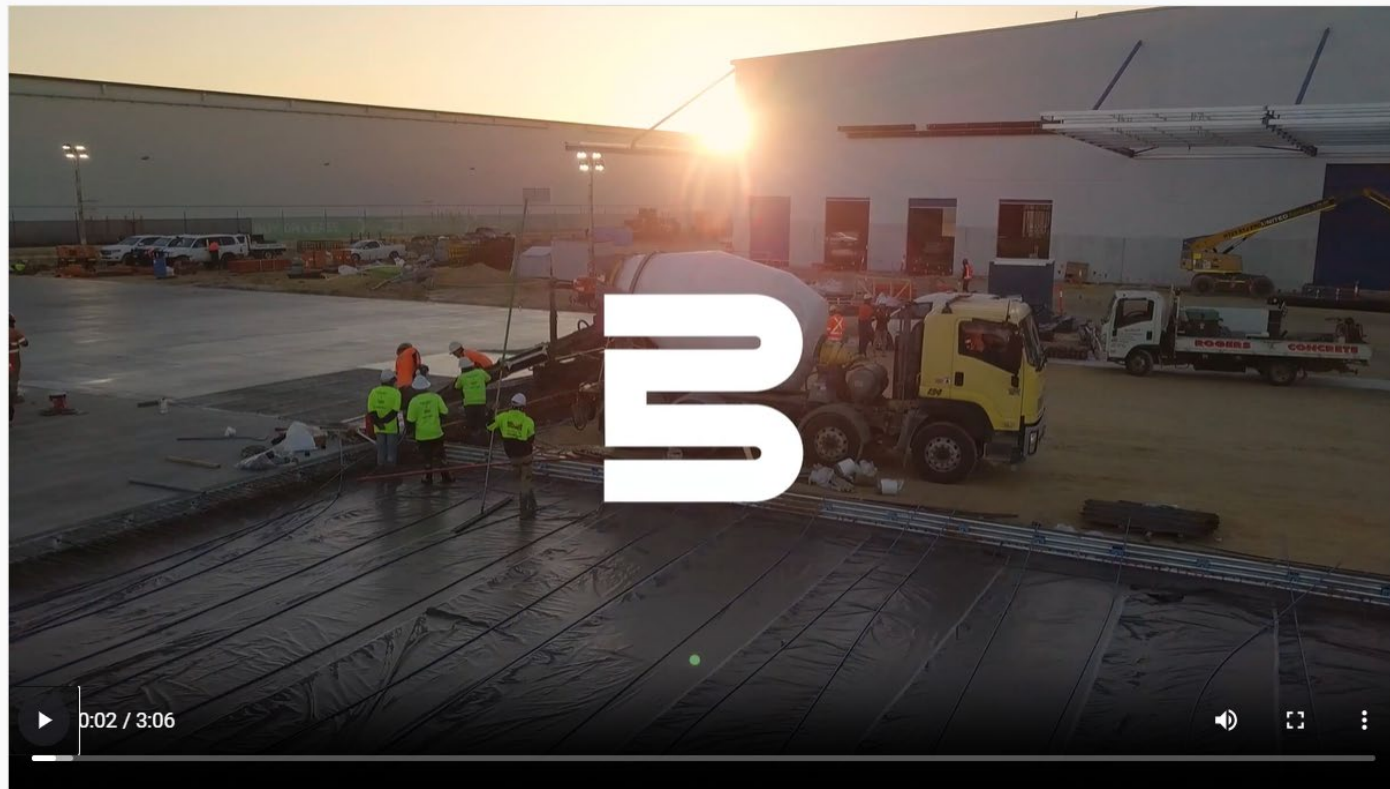


Better aesthetics

Dramix® & SigmaSlab®

The next level of concrete reinforcement

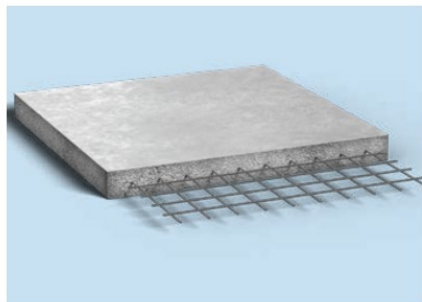




Dramix® & SigmaSlab®

Dramix® is a unique, high-quality steel fiber for concrete reinforcement.

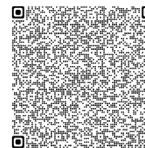
Traditional reinforcement



Steel fiber reinforced concrete



Want to
know
more?



**Dramix® &
SigmaSlab®**

The next level of
concrete reinforcement

SigmaSlab® combines the power of **Dramix®** steel fibers with CCL's post-tensioning systems.



Steel fibers are:

- strong at taking bending stresses
- weak at taking tensile stresses
- used for uniaxial tension stresses due to loads

Post-tensioning systems are:

- strong at taking tensile stresses
- weak at taking uniaxial tension stresses
- used for tensile stresses due to shrinkage