

BarChip Reinforced Concrete Flooring

Taurus Armas SA , Brazil

BarChip Inc.
The Synthetic Fibre Experts



BarChip helps Taurus Armas meet tight construction schedules for new plant.

Established in 1939, Taurus Armas SA is a Brazilian firearms manufacturer offering a diverse range of reliable and innovative products designed for military, law enforcement, and civilian use worldwide.

In 2021, Taurus undertook a R\$110 million dollar expansion of their manufacturing facilities in São Leopoldo, Brazil. The initial 12,000 m² expansion was comprised of six pavilions for new manufacturing facilities. The total expansion of 22,000 m² allowed Taurus to increase production by 50% and included logistics and distribution facilities, engineering, laboratories and offices.

The expansion was faced with a tight construction schedule and embraced building practices that improved construction efficiency. One such practice was the use of BarChip MQ58 synthetic fibre concrete reinforcement in place of traditional steel.

BarChip eliminated the need to place steel reinforcement, resulting in a more efficient and faster construction process.

At the São Leopoldo factory, BarChip was used in the industrial floors and surrounding concrete pavements of the entire complex.

- Reduced construction time and cost.
- Improved durability.
- Reduced risks of plastic shrinkage cracking.
- Reduced carbon footprint.
- Delivered a fibre free finish.



BarChip Inc.

info@barchip.com

Australia: +61 1300 131 158

N. America: +1 704 843 8401

EMEA: +353 (0) 1 469 3197

Asia: +65 6835 7716

S. America: +56 2 2703 1563

Brazil: +55 19 2121 5417



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Distributors are located in other regions. For contact details visit www.barchip.com.

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