

Fibre Reinforced Thin Concrete Screed Overlay

Primark Store Fitout, Romania

BarChip Inc.
The Synthetic Fibre Experts

BarChip Fibre Enabled The Reinforcement Of A Thin Concrete Screed Where There Was Insufficient Thickness For Traditional Steel Mesh

Completed: 2022

Owner: Primark

Contractor / Designer: Lindec Romania

Fibre: BarChip 2024 (24 mm long)

In 2022 Primark opened its first store in Romania at Park Lake Shopping Centre, Bucharest. The €10 million flagship store spans 4,500 m² across two levels.

With any interior fit out there are challenges constructing new designs within existing structures. One challenge faced by Lindec was installing a new concrete floor overlay.

The allowable height of the new concrete floor was as little as 5 cm, not enough for adequate concrete cover when steel mesh reinforcement is used.

To overcome this, Lindec proposed the use of BarChip 2024 macro synthetic fibre reinforcement. The 24 mm length fibre eliminated the need for steel mesh while providing sufficient crack control and bending performance to the floor. Lindec CEO Constantin Dobre adds:

“BarChip 2024 showed a real benefit for the screed in terms of preventing shrinkage cracks”.

The C30/37 screed was dosed with 1,5 kg of BarChip 2024 fibre and pumped between 60 and 90 m through 65 mm hose.

By eliminating the need to install steel mesh, BarChip also saved labour costs and construction time.



PRIMARK®

Founded in Dublin in 1969, Primark is now a leading international clothing retailer employing more than 72,000 people in 15 countries - and growing.

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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