

Precast element

Precast balcony slab element – retrofitted balconies for apartments – Dornbirn (AT)

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Application	Precast element
Object	Balcony slab element
Size	4300 x 2200 x 50 mm
Country	Austria
Year	2020
Fibre	Concix ES (6.0 kg/m ³) Fibrofor Green (0.6 kg/m ³)

Description

This prefabricated concrete slab element with only 50 mm element thickness is made with C 50/60 concrete and reinforced with 6.0 kg/m³ bi-component macro synthetic fibres together with 600 gram/m³ natural fibres Green. This fibre hybrid solution works perfectly for such delicate structures. Surface is sandblasted to get the slip resistance.



Key advantages of the Concix/Fibrofor Green solution for this project

- Lower cost for reinforcement (replacement of steel)
- LCA certified macro fibre, means less CO₂ consumption
- No early shrinkage cracks, means better compacted concrete matrix
- 3 dimensional reinforcement for better protection during handling and transport of the element.
- No corrosion and thus lower future maintenance cost
- State of the art structural report based on latest standards

