



ARSENAL
PÕHJA-TALLINNA KESKUS



CASE STUDY

Shopping Centre

PROJECT OVERVIEW

Customer: Arsenal Shopping Centre

General Contractor: Nordecon AS

Product: SFRC floor with surface finishing

Building Type: Shopping mall

Address: Erika 4, Tallinn, Estonia

Casted: May, 2016

Area: 9 481 m² (102 052 ft²)

Slab thickness: 90 mm (3 ½ in),
100 mm (4 in), 120 mm (5 in),
140 mm (5 ½ in)

CO₂ Savings: 112 485 kg (247 986 lb)

CUSTOMER

Arsenal Shopping Centre was developed in renovated weapon factory building, built in 1917, just before Estonia gained its independence.

This beautiful historical building was lovingly restored in 2016 and now more than 30 stores are located in its premises. This for sure is one of most beautiful shopping centers in Baltics.

CHALLENGE

Everybody knows that in general restoration in most cases is far more complicated than just building a new mall. The same applies to flooring works. We had to work in small casting fields with lots of precision manual work, yet within tight budget constraints.

The architect vision was to have beautiful, light reflective, shiny concrete surface across the whole Arsenal Shopping Centre, which naturally also had to be abrasion resistant and durable.



Joint-less



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Low maintenance



Stays flat



40% Less CO₂ emissions



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SOLUTION

For current project durable, low maintenance steel fiber reinforced floor (SFRC) was selected. Together with advanced PrīmX Shine floor finishing this was a perfect match - beautiful, abrasion resistant, low maintenance floor at very competitive price.

Floors were casted at 90 mm (3 ½ in), 100 mm (4 in), 120 mm (5 in) and 140 mm (5 ½ in) thicknesses. PrīmX Shine floor polishing used advanced chemical treatment of PrīmXDensifier and PrīmXSealer. The result - floor surface became hard, looks beautiful and is very easy to clean.



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