

Reference | Precast elements

IKEA CENTRAL WAREHOUSE DORTMUND | GERMANY

820 girders with a length of 22m each.



PROJECT INFORMATION

Project	IKEA Central Warehouse
Location	Dortmund, Germany
Application	Precast elements
Component	Ceiling girder
Construction time	March – August 2005
Requirements	Elimination of the shear reinforcement
Concrete	C 45/55

Fibre type	DE 60/0.8 M
Fibre content	40 kg/m ³
Total volume	820 ceiling girder

SPECIAL FEATURE

For the new, large IKEA central warehouse in Dortmund, prestressed ceiling girders with steel fiber concrete have been produced. The usual shear reinforcement was completely replaced with fibers. The girders have a length of 22 m and 820 pieces of these prefabricated parts have been produced.



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Reference | IKEA Central Warehouse



IKEA sells about

220

Billy bookcases per hour.

OTHER PROJECTS

KATARINEN BRIDGE

Leiden / Netherlands

Application: UHPC

Fibre cont.: 140 kg/m³

Fibre type: DG 12/0.3 E304

FIEGE LOGISTICS CENTER

Neuss / Germany

Application: Prestressed girders

Fibre cont.: 40 kg/m³

Fibre type: DE 60/0.8 M

SEPARATOR SYSTEM

Donaueschingen, Germany

Application: Special container

Fibre cont.: 30 kg/m³

Concrete: C 35/45 - LVB