

Project:  
IKEA Dortmund



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## Achieve more

### IKEA European Distribution Centre Dortmund Ellinghausen

Almost 140000 m<sup>2</sup> – an area as large as 21 average-size football pitches – covers the flat roof of the new distribution centre of the IKEA furniture company in the Ellinghausen district of Dortmund. It is currently the biggest logistics centre in Europe. The demands made on the roof drainage system are correspondingly high.

#### The challenge

It sounds like hard work: in an average rain shower in the Ellinghausen district of Dortmund, just from the flat roof of the IKEA goods distribution centre some 250 m<sup>3</sup>/min of water have to be drained away. And, in a downpour, significantly more. And even in our latitudes torrential rain is now more the rule rather than the exception. And who knows what climate change will bring with it? In any case, scientists have been warning for some time now of an increase in extreme weather events. So for draining large flat roofs on industrial buildings or sports arenas specialist planners do well to think in new dimensions.

#### The solution

While since the middle of the year a modern high-bay warehouse with the latest distribution technology has provided for the problem-free despatching of IKEA articles to almost 180 branches in Europe, 980 Akasion roof outlets built into the roof and almost 11 km of Akatherm pipe lines provide for the problem-free drainage of rainwater.



#### About Akatherm

The demand for inspiring, challenging and highly productive environments means that every modern construction project represents a unique challenge. As experts in Specialist Drainage, Akatherm understands that what we deliver to a project is just as important as what is ultimately removed from a building, thanks to our high performance technology.

Rely on our knowledge, consultation, support process and industry-leading systems to provide the confidence to achieve your ambitions.