

# Ceramics Factory Complex

>ÇİFTELER / ESKİŞEHİR, TÜRKİYE<

## Background

SIN corrugated web beams provided an efficient and elegant engineering solution for a new steel-framed factory complex for Seramik Toprak Ürünleri Ind. Ltd. Co. located in Çifteler, Eskişehir approximately 250km West of Ankara.

In March 2006, Nuro Zeman won the tender to design, manufacture, deliver and install 1,015kg of SIN beams and to procure, deliver and install approximately 35,000m<sup>2</sup> of roof and facade cladding.

A 12,000m<sup>2</sup> extension project scheduled to begin in early 2007 has also been contracted to Nuro Zeman following the success of the Ceramic Factory in Eskişehir.

## Features

The factory comprises 7 blocks, ranging in height from 6-24 meters, using 1 and 2 span frames. Spans of 20 and 30 meters were achieved using WTC750, WTA1000 and WTC1500 profiles.

Galvanized steel polyurethane sandwich panels were used to clad the roof and facades of the building.

## Benefits

The design team at Nuro Zeman managed to achieve a light aesthetic while spanning large distances by using slender and light weight SIN beams.

By using SIN beams, savings of approximately 20% in weight and 25% in manufacturing time were achieved in comparison to traditional steel beam manufacture and construction, resulting in cost reductions for the client.

## Further Information

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## Project Summary

**Client:** Seramik Toprak Ürünleri Endüstri Ltd. Şti.

**Duration:** March - November 2006

**Value:** €1,737,000 + VAT

**Floor Area:** 23,460m<sup>2</sup>

**Quantities:** 1,015ton Structural Steel;  
35,000m<sup>2</sup> Facade Cladding

**Project Scope:** Design, Fabrication, Delivery & Erection of Structural Steel; and Procurement & Delivery of Roof and Facade Cladding

