



Solar Window Films: Reference Case

## Comfort & energy savings at the Courthouse

The energy costs are dramatically cut at The Courthouse in Jönköping. In addition, their employees and visitors can enjoy the natural sunlight yet avoid the solar heat and glare problems - without sacrificing the great views over Munksjön. *The solution: Solar Gard Sentinel DX 20 solar protection film.*

### PROJECT INFORMATION

**Building & Location:**  
Jönköping District Courthouse,  
Sweden

**Problem:**  
Excessive heat and high  
energy consumption

**Solution:**  
Sentinel DX 20, 520 m<sup>2</sup>

**Year of Installation:**  
2019

Due to large windows facing south, the summer of 2018 became unbearable for both employees and visitors at The District Court premises in Jönköping, Sweden.

The large windows let the natural light in but they also allowed solar heat through the unprotected glass. The heat gain caused a high energy load on the climate system which was heavily strained in order to keep the indoor temperature under control during warm days.

The customer's choice was clear: Solar Gard Sentinel DX 20; an exterior dual reflective window film that provides excellent heat

rejection by being the first line of defense against solar heat and glare. This combined with a low reflectance to the inside plus an optical clear view to the outside was the perfect solution for the facility owner, Castellum. This means no more heat issues for the tenant, The Jönköping District Courthouse.

Emil Johnson, Technical Manager at Castellum Jönköping says:  
"We are very pleased with both the film selection and the installation performance. In addition we now keep our energy bill under control."

The installation was carried out by Solar Gard Premium Partner Mälarmiljö AB.

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