

## PROJECT REPORT OPALFILM® ECOLUX ENERGY-EFFICIENT WINDOW FILM

### Hotel Casa Camper, Berlin (D)

#### The company

The Hotel Casa Camper in Berlin is situated right in the middle of the capital's lively historic centre, and the area around the hotel is one of the most popular in the entire city. The hotel features a total of 51 rooms and suites, all with very modern fittings and furnishings. The hotel concept and interior design are the creation of the Spanish architects, Fernando Amat and Jordi Tio. The bedrooms and bathrooms have large window fronts, with a great amount of incoming daylight that creates a veritable feel-good effect in the indoor spaces. Demand for the rooms is high, and the positive reactions of the hotel guests are equally great.

#### The problem

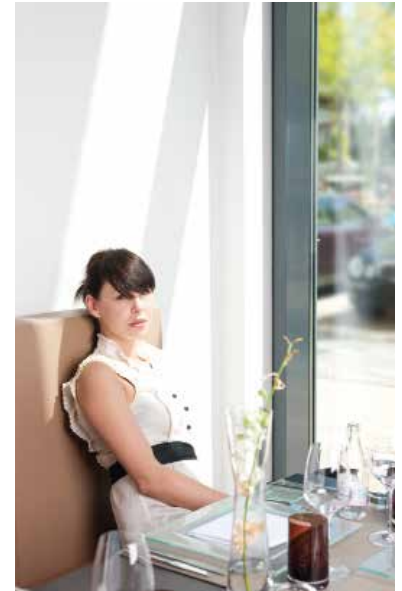
It isn't just the rooms themselves, but the hotel lobby on the top floor is also very brightly lit; over 70m<sup>2</sup> of windows made of laminated safety glass with sun-guard functionality offer guests an extensive view over the roofs of Berlin. However there is one problem in all of this. The sheer size of the windows meant that the lobby was highly susceptible to heat build-up resulting from the sun's radiation, in winter as in summer. The resulting indoor climate was less than ideal and the intended sense of well-being that guests were supposed to enjoy soon turned into precisely the opposite. As an interim solution, it was first at-

tempted to solve the problem by installing a mobile air-conditioning system. However this was not in accordance with the hotel's philosophy of responsible treatment of resources and the environment.

#### The solution

Finally, a long-term solution to the problem, and one that was also better for the environment, was found in the form of the OPALFILM® ECOLUX sun protection film system from HAVERKAMP. Not only does it offer qualitative benefits, but the hotel operators were also delighted with the speed of the installation. The uncomplicated assembly activities barely disturbed the daily comings and goings at the hotel and the peace and quiet of the guests.

And the results are pretty impressive. The window film succeeded in achieving a good balance between light transmission, energy cost reduction and effective sunlight protection. There was no change to the external appearance of the building, and the demand for cooling energy was significantly reduced. For Uwe Wurch, technical manager of Casa Camper, the advantages are obvious: "a reduction in energy costs, improved CO<sub>2</sub> balance, short payback period, and significant optimisation of the room climate - all achieved through a retrofit solution that has allowed us once again to be true to our philosophy."



**Solar irradiation without  
OPALFILM® ECOLUX**



**Lobby in the upper storey of the Hotel Casa Camper in Berlin**

#### Client:

Casa Camper, Berlin

#### Problem:

To minimise the strong heat build-up in the lobby caused by sunlight and to reduce the cooling energy requirements of the air-conditioning system, while preserving the building's outward appearance.

#### Solution:

OPALFILM® ECOLUX  
energy-efficient window film

#### Area:

> 70 square metres