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Title: Berlin solar Glass Project

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What makes Berlin's cubic glass building special?

The facade architecture of the cubic glass building at Berlin's main railway station is a striking structure with interlocking light-reflecting and light-absorbing geometric surfaces. But what really makes the CUBE special is found on the inside.

How energy-efficient is the glass facade on cube Berlin?

The glass facade on cube Berlin is highly energy-efficient thanks to the carefully considered design and osmotic skin. Solar control coatings were applied to the glass which helps to reflect radiant heat back out into the atmosphere and simultaneously bounce internal heat back inside, resulting in a highly energy-efficient fully glazed building.

Why do Berlin offices use reflective glazing?

Externally the use of reflective glazing celebrates the surrounding Berlin cityscape, but it also captures the movement of people passing by on Washingtonplatz. Internally the abundant natural light, outdoor spaces and the flow of the offices benefit the occupant's well-being immensely.

Can architectural glass design deliver on 'intelligent' commercial buildings?

Less apparent is how this double skin ventilated facade is also a perfect example of how architectural glass design can deliver on the structural and energy requirements of today's 'intelligent' commercial builds. As well as its stunning architecture, cube Berlin, a CA Immo project, is committed to environmental sustainability.

The cube Berlin project is no ordinary, glass-covered building. The all-glass design presented multiple challenges, including energy concerns and structural requirements. That's where Saflex PVB ...

Unique inside and out: the cube Berlin located in the center of the German capital. The solitaire designed by Danish architecture firm 3XN installed near the main train station impresses with its spectacular ...

For more than 15 years a solar power plant has been operating on the platforms of Berlin's central railway station. 780 solar modules with a total area of 1,700 square meters were integrated ...

Anyone passing through Washington Platz in Berlin can't fail to notice "cube berlin". An eleven storey, 19,000 square feet, perfect cube of a building, that features a unique double-skin glass facade.

Through this collaboration, Cube Berlin's transparent glass material was created, harmoniously complementing the clear blue sky while punctuating the urban landscape.

The CUBE Berlin. In addition, heat gained from solar radiation and the building itself is used to cool the fresh air, and a special solar coating on the glass facade minimises the heating of ...

Saflex Acoustic and Saflex Structural are featured in cube berlin, solving solar concerns in a unique design with the double-skin facade.

The east-west-roof was built before the opening of the new line, the bracket buildings and the north-south-roof were erected during running operations of the train station. On the east-west roof 780 solar panels were integrated into the ...

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Architecture practice 3XN designed cube berlin as a sculpture with a fully glazed facade on all four sides to reflect Berlin's creative culture, while providing the next generation of smart office ...

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