

Case Study CLOUD N° 7, Stuttgart

ARCHITECT:

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CONSTRUCTION COMPANY:

PAZDERA AG, Coburg

COMPLETION OF FACADE: 2017

LOCATION: Europa district, Stuttgart

BRIEF DESCRIPTION:

Insulation of the facade of the multifunctional building CLOUD N°7 housing a first-class hotel, business apartments, and condominiums in Stuttgart's Europa district.

SCOPE OF SERVICES:

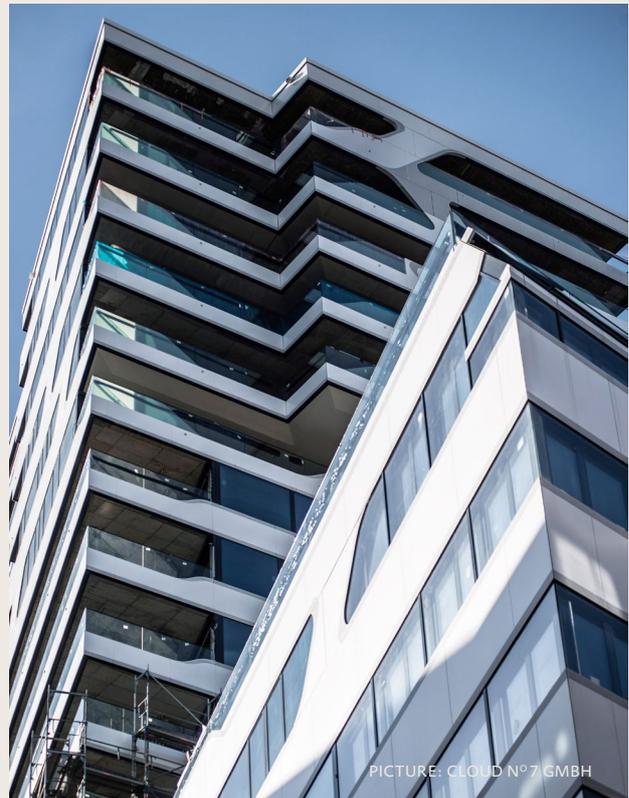
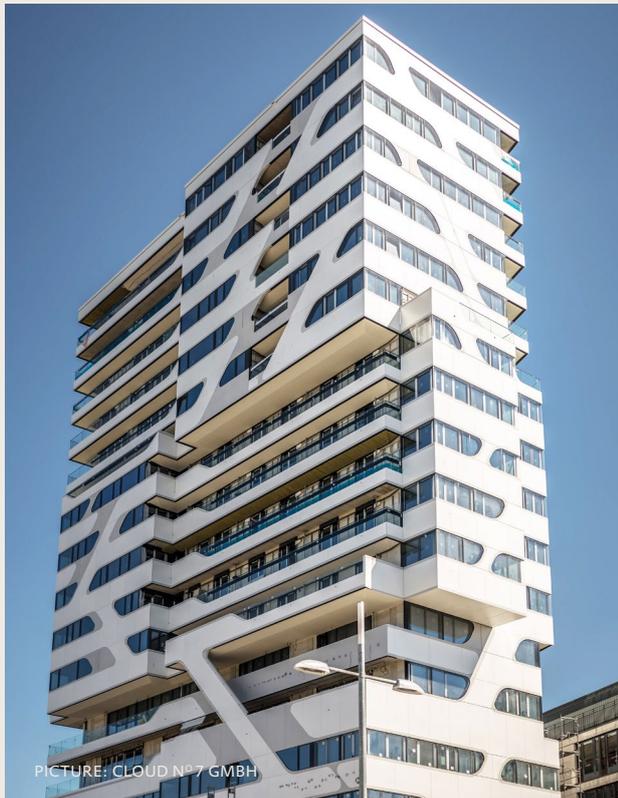
CALOSTAT® 50 mm was used in two layers from the 8th storey onward as insulating material in the VHF (rear-ventilated) facade. The required U value of 0.2 W/(m²K) in the opaque elements was thus met. In addition, various slab soffits were insulated with the material. A total of more than 1,500 square meters of CALOSTAT® were used in the object.

DESCRIPTION OF OBJECT:

Luxury overlooking the roofs of Stuttgart

The CLOUD N°7 building houses luxurious hotel rooms and apartments in central Stuttgart. At 61 meters this is the highest residential building in the Europa district—and offers a breathtaking panoramic view of the city center and surrounding areas.

The new center of Baden-Württemberg's state capital, with its shopping center, offices, residential buildings, cultural facilities, and generously proportioned green spaces, is situated directly opposite the main railway station. From CLOUD N°7 the city center and Schlosspark are easily accessible by foot. The building is divided into three sections. On the lowest stories CLOUD N°7 houses a Steigenberger first-class hotel with an atmospheric rooftop terrace on the 6th floor. The 7th to 15th stories house business apartments and city apartments. The 16th to 18th stories have a closed-off area with exclusive condominium apartments



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In addition to 170 rooms in the Steigenberger Hotel, 50 business apartments of between 30 and 70 square meters and 20 condominium apartments of between 100 and 300 square meters, including a penthouse of 500 square meters, will also be available.

Especially wide windows in the facade, which is only infrequently interrupted by vertical elements, ensure a unique view. The sweeping glass and metal balustrades put an unmistakable stamp on the facade. The facade is custom designed because the condominium apartments on the uppermost stories are tailored entirely to the wishes of the sophisticated clientele. This also applies to the size of the windows: If the owner wants a longer window facade, the facade element is replanned and fabricated.

In highrises of this type very high requirements are placed on insulation. The insulation must be very slim, to occupy a minimum of space, and also meet very stringent fire-protection requirements. CALOSTAT® high-performance insulating material is one of the very few materials that can meet these requirements, and offers facade planners great freedom of design.

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