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Project Report/December 2024

## Permanent Surface Protection for the Hotel Neptun in the Baltic Sea Resort of Warnemünde

The 5-star Hotel Neptun in Rostock-Warnemünde is located on the widest beach in Mecklenburg, Germany. The building, which opened in 1971, is 64 meters high and has around 330 rooms on 19 floors - all with sea views and balconies. The holiday and wellness hotel offers its guests all the advantages associated with its location directly on the German Baltic Sea, but its architecture is particularly exposed to the forces of nature.

For the renovation, the investor's priority was to maintain the value of the building. In order to sustainably renew the hotel façade and protect it in the long term, he decided on the coating with the StoCretec **surface protection StoCryl EF**. The elastic acrylate combines functionality and aesthetics, tailored to the specific requirements of the property.

The way the applicators worked on a building like the Hotel Neptun, which is 64 metres high, was particularly spectacular: simply putting up scaffolding was of course not possible and would have disrupted the hotel's operations. So specialists for high-altitude services on façades took on the task of working on the approximately 2,000 square metres of external surface of the façade and balconies.

To begin with, the façade climbers cleaned the exterior surfaces thoroughly and removed algae and other residues. Following this, they applied the **StoCryl EF coating** in two construction phases.

The elastic acrylate from StoCretec is suitable for concrete components at risk of cracking. It can be applied by brush, roller and airless spray. It is crack-bridging and prevents the penetration of water and harmful substances dissolved in water. The coating regulates the moisture balance, offers very good adhesion to the substrate, good carbon dioxide impermeability, and water vapour diffusion capacity. In this way, the **StoCryl EF coating** provides long-term protection for the façade and balconies of the Hotel Neptun in Warnemünde.

## Properties of StoCryl EF

- StoCretec surface protection product
- Elastic coating on concrete structural elements at a risk of cracking
- As coating on existing crack-bridging coatings
- Prevents the ingress of water and harmful substances dissolved in water
- Regulated the moisture balance
- Increases electrical resistivity
- Very good adhesive bond
- Good carbon dioxide impermeability (sd-value CO<sub>2</sub> > 50 m)
- Good water vapour diffusion capacity (sd-Wert H<sub>2</sub>O < 4 m)
- System 2+ (for applications in buildings and engineering structures) and System 3 (for applications subject to fire regulations)
- In accordance with EN 1504-2
- Water-dilutable
- White, tintable in accordance with StoColor System and RAL colour fan
- Applicable by paint brush, roller, and airless sprayer

## Who & What

Project:	Surface protection façade, Warnemünde, DE	
Investor:	Hotel Neptun, Warnemünde, DE	
Applicator:	Ambiente Malermeister Frank Lissner, Inhaber Grit Lissner, Bentwisch, DE	
1. CP.:	Alpinservice: Falko Weise Schmidt Alpin techn. Dienstleistungen, Kuchelmiß, DE	
2. CP.:	Jörn Grams, IBEX Deutschland Industriekletterer, Bremen, DE	
Realisation:	10/2024	
StoCretec competence:	Coating	StoCryl EF in 2 layers
Fotos:	StoCretec	







