



## **Safe protection of concrete on socket areas**

weber.tec Superflex OS 5b



## Parking decks and underground garages

### *Extreme loads due to splash water and salt*

#### The existing guidelines describe performance demands and application

- European 1504-2 „Products and systems for the protection and repair of concrete structures, part 2: surface protection systems for concrete“
- German Guideline „Technical Rule for Maintenance of Concrete Structures“

In underground garages or parking decks, the concrete building parts are exposed to extreme stresses with splash water and aggressive salts. Without sufficient protection of the concrete structure, in particular on socket areas, the combination of CO<sub>2</sub>/moisture and salt exposure would severely damage the concrete structure. Concrete and steel reinforcement corrosion as well as spalling lead to a permanent impairment of the structural stability of the building.

Thanks to the professional application of so-called surface protection systems, the concrete building components are permanently protected from the extreme damage loads, and thus avoiding expensive and time-consuming renovation works. For the non-trafficked area of the wall socket high-performance surface protection systems of the class “OS 5b“ are used.

The products concerned are combinations of polymers and powder mixtures.

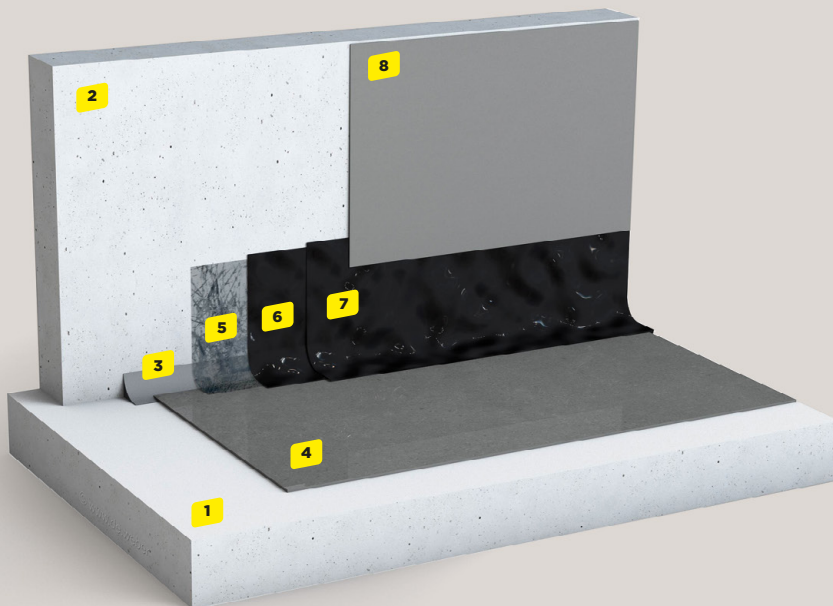


## weber.tec Superflex OS 5b

# Protection of concrete building parts and waterproofing of socket areas with one product

As a rule, damp and salt-loaded concrete surfaces must be protected with an appropriate protection system according to EN 1504-2. Weathered socket parts must be protected against moisture by waterproofing measures. With **weber.tec Superflex OS 5b**, we have succeeded in covering both applications with just one product. The system fulfils all test principles; it has a certification as **OS 5b system** according to EN 1504-2 and has an official approval as waterproofing coating according to the German FPD guideline“ (flexible polymer-modified thick-layer waterproofing coatings“).

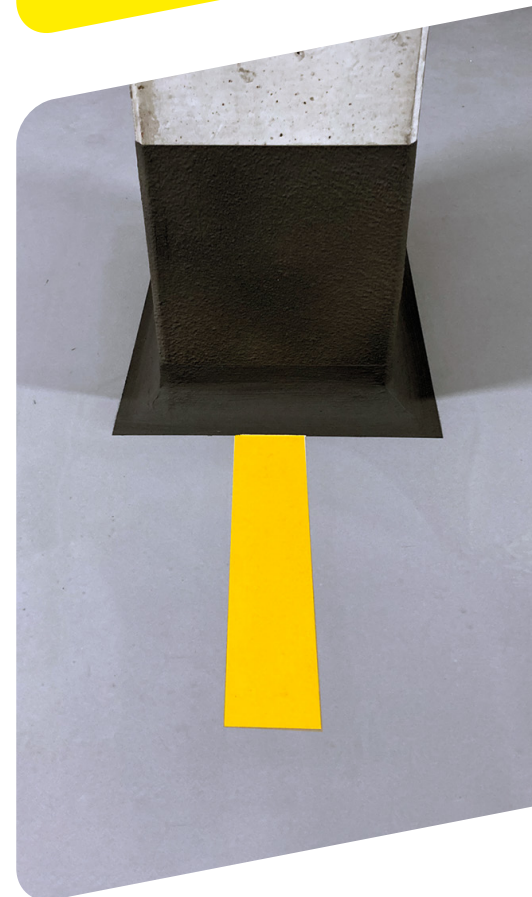
The material is highly flexible and crack-bridging. It sets quickly and reactively, is impermeable to pressure water after only 24 hours and can be sprayed, covered with a render or painted over trouble-free. Due to its very low emission of volatile organic compounds (VOC) **weber.tec Superflex OS 5b** has been awarded the **EMICODE seal EC 1<sup>PLUS</sup>**.



- 1 Concrete slab
- 2 Concrete wall
- 3 Groove with **weber.rep duo**
- 4 Coating system OS-8 **weber.floor 4610**
- 5 Scratch layer **weber.tec Superflex OS 5b**
- 6 First layer **weber.tec Superflex OS 5b**
- 7 Second layer **weber.tec Superflex OS 5b**
- 8 Surface protection paint (OS-2/OS-4) **weber.tec 771**

## Fields of application

- As chloride and carbonation protection of concrete building parts in new building construction and renovation works
- For underground garages, parking decks and other building parts exposed to splash water and salts
- For flexible waterproofing of socket areas and earth-contacting building parts



## Product benefits

- Cold-flexible up to -20°C
- Resistant to frost and thawing salts
- Quick-setting and resistant to pressure water

**WE PRINT WITH ORGANIC  
INKS OF RENEWABLE  
RAW MATERIALS ON  
100% RECYCLED PAPER**



**SAINT-GOBAIN WEBER GMBH**  
Schanzenstraße 84  
40549 Düsseldorf  
[www.de.weber](http://www.de.weber)