

OPERATION AND MAINTENANCE OF DEKMETAL FAÇADE SYSTEM ON BUILDINGS

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1. INTRODUCTORY PROVISIONS

There are no specific requirements for the operation and maintenance of the DEKMETAL building façade system. Continuous water drainage is required to ensure continued operation of the system and to meet the conditions for an extended warranty (except for conditions specified in the warranty certificate). This is done by visual inspection in annual cycles, i.e. at least once a year. For example, the removal of fallen leaves, branches, or the formation of dirt deposits must be ensured.

At the same time, cleaning the DEKMETAL façade system may be a requirement of the investor or the building manager. This is done according to the following procedure and using agents with prescribed parameters.

2. CLEANING THE DEKMETAL FAÇADE SYSTEM

First, it is necessary to remove any mechanical impurities (sand, dust, etc.) without the use of rags, sponges, brushes, etc.; only rinse with water (not with pressure). Additional cleaning can be done with a soft cloth or brush using a cleaning agent that meets the following conditions:

- acidity: pH 4–9
- temperature: max. 30 °C
- Concentration: as recommended by the manufacturer of the cleaning agent

Do not use the following cleaning agents:

- containing chlorine (Cl);
- containing phosphoric acid (H₃PO₄);
- ozone-based (O₃);
- based on hydrogen peroxide (H₂O₂);
- solvents, acetone, and cleaning preparations containing them;
- containing abrasives (e.g. liquid sand).

It is preferable to use cleaning agents containing corrosion inhibitors to protect the cutting edges from the adverse effects of an aqueous solution. These cleaning agents should be used especially in the event that the façade is washed frequently.

When cleaning the sheets, also follow the operating procedures recommended by the detergent manufacturer. The use of more efficient detergents (such as alcohol-containing cleaners, etc.) should be consulted with the manufacturer. Cleaning with pressurised water must be consulted with the manufacturer in advance. If this procedure is not followed, the manufacturer does not guarantee the surface treatment.

3. LOCAL REPAIR OF THE PAINT

Local scratches may occur during operation. Such local paint repairs are recommended only where the topcoat layer has been completely removed, and the primer or zinc layer is visible.

In the event of damage to larger areas but the surface is not too visible or the paint damage is not deep in nature (i.e. up to the zinc coating), it is recommended not to apply new paint. If this is not possible and it is necessary to make such a repair, it is advisable (if possible) to replace the given element in the 'piece by piece' style. In cases where this is no longer possible, the element must be coated preferably with isocyanate-based paints (Dekmetal repair paints cannot be used for large-scale repairs!) and with the paint supplier's technological recommendations.

It is necessary to take into account that neither suitably selected nor the most intensively mixed paint will have a high probability of precisely matching the colour of the façade cladding. This difference may be accentuated during ageing.

4. WORKING PROCEDURE FOR SMALL LOCAL REPAIRS

First of all, the surface to be repaired should be cleaned with a soft cloth to remove dust and any solid particles adhered to it. After removing dirt, perform degreasing by wiping with a soft cloth soaked in industrial gasoline. Then apply Dekmetal Correction Paint, aiming only to paint the repaired area, and not larger areas. After application, the drying time is approximately 20 minutes (to the touch), and it will be completely dry after 8 hours at + 20 °C and relative humidity up to 75%.

All elements and tools used during repairs must be disposed of as hazardous waste!

Dřísy, 16/10/2018