

## **INSTRUCTIONS FOR USE AND MAINTENANCE OF PROGRESS STEEL GRID PRODUCTS WITH THE PRO-ZINAL COATING (POWDER-COATED)**

The grid products are characterised by high durability and aesthetics.

The surface is protected against corrosion by:

- powder coating layer (for interior use),
- layer of Pro-Zinal + powder coating (for interior/exterior use),
- elements connecting the grid to the mounting surface are made of galvanised or stainless steel and painted with powder coating identical to the grids.

For the proper maintenance of the sheets painted with powder coating, it is necessary to clean these elements at least once a year. More frequent cleaning is recommended in areas with high air pollution. This procedure allows for early detection of possible damage and its removal in a timely manner, without additional costs.

If the elements become dirty during normal use (atmospheric, chemical, human or other factors) and it is necessary to clean them, the following guidelines will help to maintain the anti-corrosive properties of the painted steel and its aesthetic appearance:

- Protect the painted surfaces against abrasion, scratches, bruises, etc. and contact with unsuitable chemical agents which may cause loss of the anti-corrosive properties of the paint.
- Protect the surfaces against contamination such as paint, grease, mortar (especially mortar after drying will be difficult to remove) and secure them for the period of maintenance or repair works.
- Protect against mechanical damage, do not deform and bend the grids because of the possibility of cracking the coating.
- In the case of damage and noticeable paint loss, the place should be covered with (appropriate) paint or replaced with a new sheet.
- Do not attempt any modifications on your own. All modifications of the products are made on your own responsibility!
- The grids can be cleaned with a soft cotton cloth, blown with compressed air or vacuumed with a vacuum cleaner with a soft brush tip.

If it is necessary to wash the mesh with water (only with a separate consent of the building manager), the following requirements should be applied:

- The grids can be washed with warm soapy water and neutral or light alkaline detergents can be used. (e.g. liquids or shampoos for cleaning painted surfaces).
- Do not use detergents of unknown origin.
- The temperature of the water-detergent mixture used for washing must not exceed 25°C. Do not wash the surface with a steam jet.
- Do not use any harsh or scrubbing agents. Do not use organic solvents containing esters, ketones, alcohols, aromatic compounds, glycol esters, chlorinated hydrocarbons, etc.

- For cleaning, use soft fabrics designed just for this purpose in order not to transfer other pollutants onto the surface (e.g. iron particles, sand).
- Do not press the fabrics too hard against the surface during cleaning and replace them when contaminated.
- The detergents used for washing must not react with the cleaned surface for more than one hour. If necessary, the washing process can be repeated after 24 hours.
- Use clean, soft water to clean the detergents. It is recommended to use demineralised water in order to avoid water stains.
- Removing paint, adhesive, and mortar stains is troublesome and can leave permanent marks on the sheets. Fatty, oily, and tarry substances can be removed from the cleaned surface by means of aromatic-free petroleum-derived solvents. Any contamination with residues of glue, silicone rubber or adhesive tapes should be removed in the same way. After each washing, the surface must be immediately rinsed off with clean cold water. Use standard cleaning procedures.

### **Cleaning and maintenance frequency.**

For interior applications (C1,C2), the cleaning should be carried out according to the schedule for cleaning of other interior elements. Do not allow contaminations to become visible.

For exterior applications (C3-C5), control the contamination level of the grids. Industrial and road pollution (particularly the deposit from de-iced roads, street contamination), marine environments, covered areas, etc. may cause brown spots, dulling. Cleaning should be carried out as soon as such symptoms become noticeable but not less frequently than the times listed in the table below.

<b>Corrosion category PN-EN ISO 12944-2</b>	<b>Washing frequency</b>
C1-C2	6 – 12 months
C3-C4	3 – 6 months
C5	3 – 6 months

Corrosion classes according to PN-EN ISO 12944-2

Corrosion classes		Examples of environments typical for the temperate climate	
		Interior	Exterior
C1	very low	Heated buildings with clean air. E.g. offices, shops, schools, hotels.	Not applicable.
C2	low	Buildings not heated, where condensation may occur, e.g. warehouses and sports halls.	Atmosphere with low pollution, mainly in the country.
C3	middle	Buildings for production with high atmospheric humidity and some air pollution, e.g. food manufacturers, breweries, dairies, laundries	Urban and industrial areas, moderate sulphur dioxide (IV) pollution, e.g. coastal areas with low salt content.
C4	high	Chemical manufacturers, swimming baths, and ship- and boatyards by the sea	Industrial areas and coastal areas with moderate salt impact
C5	very high	Buildings or areas with almost permanent condensation and with high pollution.	Coast and offshore areas with high salt content.

To maintain safety when using detergents for washing and removing spots, comply with the recommendations of the agent manufacturer and the OHS regulations.

***Any deviation from the above will result in voiding of the warranty!***