

KUNSPORT

PRODUCT CARD

23.11.2022

Thank you for choosing our products

Remember! Satisfaction and long-term use of our products is ensured only by proper assembly, proper use and proper maintenance.

About us

The KONSPORT brand has been specializing in the production of system fences for over 25 years. Advanced technology and a professional team are the basis for the success of our company. The experience and knowledge gained allow us to constantly improve production processes, thanks to which our customers receive the highest quality.

Constant improvement and deepening of professional knowledge allow us to provide comprehensive service to our clients. We offer not only top-class fencing systems, but also individual advice and technical support. Thanks to our commitment and competence, we have gained the trust of clients and partners.

KONSPORT is a brand recognized not only in Poland, but also abroad. The highest-quality fencing systems, which are distinguished by a unique design and exceptional durability, are appreciated by the inhabitants of all over Europe. The successes of KONSPORT are also confirmed by numerous certificates and awards.

The KONSPORT brand also means safety during travel. Thanks to the positive opinions awarded by the Road and Bridge Research Institute, KONSPORT, as one of the few companies, manufactures materials used to protect road and railway infrastructure. When crossing Poland on newly opened motorways or expressways, it is KONSPORT that takes care of your peace and safety.

Product information

Important information about KONSPORT products describing both the specificity and features is listed below.

- All fasteners (in particular, bolts, washers, nuts, rivet nuts) are made of A2 stainless steel and are not subject to the varnishing process.
- All plastic elements used in KONSPORT products are black and are not subject to the lacquering process. Plastic elements exposed to external environmental factors may become discolored.
- Pursuant to the provisions of the Polish construction law (Section II: "Development and development of a building plot), double-leaf gates and property wickets cannot be opened outside the fenced property.
- Profiles used for the production of KONSPORT products have a longitudinal trace on one of the sides left after the welding process. This trace remains visible even after the treatment and varnishing process. Therefore, it is an inherent feature of our products and as such cannot be treated as a defect.
- The rack mounted to self-supporting gates requires a separate adjustment before the automation is installed.
- Self-supporting gates should be transported on properly prepared frames or in a vertical position.
- Due to the immanent feature of steel, which is thermal expansion, up-and-over doors, self-supporting doors and wickets may require seasonal adjustment.

Information on the cleaning and maintenance of powder-coated surfaces

The important technical recommendations for maintenance are listed below*.

To optimally clean powder coated surfaces, the following recommendations should be followed:

An important feature of KONSPORT products is the fact that they are manufactured according to production orders, prepared on the basis of strictly personalized requirements of our customers. Products on production orders are given unique dimensions, colors, special features, and additional equipment. Individual features of products on production orders cause that these products are treated according to the provisions of the Civil Code as things with specific identity.

- The temperature of the surface of objects during cleaning should not exceed 25° C.
- Do not use steam cleaners. Cleaning agents must not exceed a temperature of 25° C either.

- Use only clean water with small additions of neutral or weakly alkaline cleaning agents. With the help of soft, non-abrasive cloths and cloths, a mechanical cleaning effect can be additionally achieved.
- Do not use scouring or scratching agents, such as grinding pastes. Strong friction should be avoided.
- Do not use organic solvents such as ketones, esters, aromatics, halogenated hydrocarbons, essential oils, etc.
- Do not use acidic or strongly alkaline agents.
- In case of uncertainty, a test should be carried out on invisible surfaces.
- The exposure time of the chemicals used must not exceed one hour.
- If the cleaning operation needs to be repeated, it is necessary to wait 24 hours.
- Rinse the surface with plenty of clean water immediately after the cleaning operation

* We provide information in this technical recommendation in accordance with our current knowledge and based on our own development work and practical experience. Due to the many possibilities and applications, it is impossible to present all the details.

Important recommendations for the resistance of powder coated surfaces are listed below:

- **Solvent resistance**

Powder-coated surfaces soften or swell quite quickly under the influence of organic solvents. It is also possible to change the degree of gloss. In general, powder-coated surfaces are moderately to poorly resistant to organic solvents. Propellants are also a threat to powder coated surfaces.

- **Resistance to aqueous acids, lye, salts**

Powder-coated surfaces are characterized by high resistance to pure water chemicals. Thanks to insufficient hydration, even strong acids and lye are not a threat to them. However, at the edges or pores, destruction (including dissolution) of the underlying metal substrate may occur. Strong oxidizing agents may alter the shade or even cause discolouring. Preservative, cleaning and disinfecting agents that contain solvents can react with the powder-coated surface. If they contain dyes.

- **Dye resistance**

Dyes such as red wine, tea, coffee, ink, fruit and many others can penetrate the powder paint layer and remain in it permanently, without causing undesirable reactions or surface damage.

- **Resistance to metallic shades**

Aluminum pigments are completely dissolved by alkaline lye. Pigments with a pearly gloss based on mica show

almost complete resistance to acids and alkalis. This assessment is based on the results of many years of research. Based on them, estimates, forecasts and probabilities can be made. In case of doubt or the need to provide a guarantee, practical tests are essential.

* The information in this technical recommendation on the properties and use of the products listed is provided to the best of our knowledge and based on our development work and practical experience. Due to the wide range of applications, it is impossible to provide all details. This Technical Advisory is periodically updated.

Pursuant to the articles of the Civil Code 556 §. 1 p.1, KONSPORT informs that product defects are not specifically:

- All welded joints made using the MAG method, subject to the assessment standards according to the PN-EN ISO 5817 D standard.
- All technological openings serving in particular the possibility of carrying out the varnishing process as well as ventilation of the structure itself. Condensation may come out of technological openings during operation.
- Condensation may leave spots on the surface. It is recommended to remove any stains with water and detergent at least once a year when washing and maintaining the fence.
- Lime efflorescence as well as small cracks appearing on prefabricated concrete elements.
- Any discoloration, spots of white corrosion, surface roughness or differences in shades on hot-dip galvanized elements. Hot-dip galvanization is not a process that improves the aesthetics of the product, but a process that extends its anti-corrosion properties.
- Differences in shades of color of products intended for production in separate production batches or made with different production technologies. In the case of colors from the structural color palette, differences in shades are possible even within the same production batch.
- Due to the specificity of the powder coating process, it is allowed to make small patches by hand, in particular in places where the material to be varnished is suspended.
- Any discoloration resulting from the storage of the goods in a stretch film that secures transport. The effect of the so-called "coating burns" can be completely removed by using hot air (e.g. a heat gun) at the place of discoloration.
- Differences in the spacing of profiles on products with different parameters (sizes) or different elements of one system.

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