

This list of safety warnings has been prepared based on the requirements of the General Product Safety Regulation (EU) 2023/988 (GPSR). The aim is to protect users from potential risks associated with improper use. The warnings have been written in simple and understandable language to be accessible to a wide audience, including the elderly and people with reduced mobility.

Warnings regarding the safe use of products cover the following categories of goods: PVC pipes and fittings, pool liners, multilayer pipes and fittings, commercial filter batteries, installation elements, spare parts and accessories, mosaics, tiles and edging stones, stoneware tiles, ladders and handrails, overflow grates, sports equipment, waterfalls, fountains and other similar devices.

1. General requirements for safety of installation and use

- **Age restrictions:**

Assembly, use and maintenance are only permitted for persons over 18 years of age, with basic skills in working with tools (e.g. cutting pipes, fitting assembly, equipment installation) or experience in working with building materials.

Children, animals and persons under the influence of alcohol or other drugs should not be allowed access to assembly or storage areas.

The use of installed equipment by persons under 18 years of age is only permitted under constant adult supervision.

- **Personal protective equipment (PPE):**

- **Gloves:** Mechanically resistant (compliant with EN 388), made of dense material or leather to protect against cuts and abrasions when working with pipes, tiles, metal.
- **Safety glasses:** Impact resistant (compliant with EN 166), protecting against dust and debris (e.g. when cutting tiles or pipes).
- **Protective mask (respirator):** Class FFP2 – to protect the respiratory tract from dust when cutting PVC, multilayer pipes or grinding tiles/stone.
- **Clothing:** Long-sleeved clothing and pants made of thick fabric to protect against sharp edges and construction debris.
- **Footwear:** Closed shoes with non-slip soles and steel toe-caps (compliant with EN ISO 20345) to protect against injuries in the event of a fall of heavy objects (e.g. tiles, ladders).

- **Technical condition check:**

Before use, check the integrity of the products: no cracks, chips, deformations (pipes, foils, tiles), no corrosion (metal elements, ladders), no excessive wear (fittings, spare parts). Also check the presence of markings (size, material, pressure) and instructions for use. Do not use damaged products - in case of doubt, contact the seller for replacement.

- **Prohibitions:**

It is prohibited to work with materials near open flames (especially PVC and foil), use inappropriate tools (e.g. blunt saws) and exceed the loads or pressures specified in the technical documentation of the product.

2. Storage

- **Storage conditions:**

- **Temperature:** 0-30°C (PVC and foil are sensitive to overheating >50°C, multilayer pipes to freezing <0°C).
- **Humidity:** <80% to avoid corrosion of metal parts (shapes, ladders) and damage to packaging.
- **Room:** Dry, protected from sunlight (UV radiation destroys PVC and foils), dust and mechanical damage (falling of heavy objects).

- **Storage details:**

- Pipes, foils and tiles should be stored horizontally on pallets or racks, avoiding bending or crushing them.
- Metal elements (fittings, handrails) should be protected with an anti-corrosion coating (silicone, wax) in case of long-term storage.
- Store small parts and accessories in boxes or containers to prevent loss.
- The influence of direct sunlight on PVC pipes during storage and transportation is unacceptable.
- Special attention should be paid to storing PVC pipes wrapped in stretch foil or other packaging material – storage in direct sunlight is **PROHIBITED**.

- **Access:**

Products should be stored out of the reach of children and animals (e.g. at a height of >1.5 m or in locked warehouses).

3. Installation and use

- **Preparing for work:**

- Read the instructions: dimensions, allowable pressure (for pipes and fittings), material compatibility (PVC must not be in direct contact with metal without seals), loads (for ladders and sports equipment).
- Prepare tools: sharp pipe saws/scissors, level for laying tiles/grids, wrenches for fittings. Turn off water and electricity in the installation area (applies to waterfall and faucet installations).
- Clean the work surface: remove dirt, grease and dust for better adhesion (tiles, foil) or tightness (pipes, fittings).

- Pipes, fittings and shut-off valves should be used at pressures and temperatures that do not exceed the values given in the technical parameters table for a given product.
- **Installation:**
 - **Pipes and fittings (PVC, multilayer pipes):**
 - Cut at 90°, remove burrs and perform edge chamfering. Use seals (Teflon tape, EPDM seals) or glue (for PVC). Do not exceed the allowable pressure (usually 10-16 atm for PVC, 25 atm for multilayer pipes).
 - Leak test: fill the system with water and check for leaks under pressure for 10-15 minutes.
 - When gluing PVC pipes, rotate the connected elements by 45° to distribute the glue evenly.
 - Follow the adhesive and primer application instructions carefully.
 - Be sure to adhere to the adhesive setting time before putting the pipe system into service.
 - **Pool liner:**
 - Place on a flat surface, smooth out the folds and secure with the help of handles. Avoid excessive stretching (>5% of the length). Check the tightness of the seams.
 - **Batteries, installation components, spare parts:**
 - Install according to the diagram, use sealants (silicone, thread adhesives). Do not overtighten threads (risk of cracking).
 - **Tiles, mosaic, edging stone:**
 - Apply the adhesive evenly (using a notched trowel, layer 3-5 mm), level with a spirit level. Grouting – after 24 hours.
 - **Ladders, handrails, sports equipment:**
 - Fasten with anchors/screws (tightening torque according to instructions), check stability (load up to 150 kg for ladders).
 - **Overflow grates, waterfalls, fountains:**
 - Install on a flat base, secure with glue or screws. Connect to the system, taking into account the water flow (e.g. 10-50 m³ /h for waterfalls).
- **Use:**

- Do not exceed the permissible load (e.g. one person on the ladder, pressure in the pipes according to the technical documentation).
- Avoid impacts with sharp objects (pool liner, tiles) and contact with aggressive chemicals (PVC, multilayer pipes).

4. Risk of cuts:

- Be careful during transportation and assembly to avoid cutting your hands on sharp edges.
- Do not attempt to open or repair devices without the proper tools and qualifications.

5. Maintenance

- **Weekly check:**
 - Regularly check products for cracks, corrosion (metal elements), deformation (PVC, pool liner), and displacement (tiles, overflow grates).
 - Check the tightness of connections (pipes, fittings, waterfalls).
- **Monthly maintenance:**
 - Clean surfaces: tiles – with a soft sponge and a neutral cleaning agent (pH 6-8), metal elements – from deposits (vinegar 5%), PVC – with a damp cloth.
 - Lubricate moving parts (sports equipment, fittings) with silicone grease.
- **Seasonal maintenance (wintering/spring start-up):**
 - Before winter: empty water from pipes, installations, waterfalls and fountains (blow out with air). Dismantle moving elements (sports equipment, handrails) and store them at a temperature above 0°C.
 - In spring: flush the system, replace worn seals.

6. Procedure in emergency situations

- **Crack/ leak:**
 - Pipes, faucets: turn off the water, replace the damaged section (PVC glue, crimping for multilayer pipes).
 - Pool liner, tiles: seal (liquid PVC) or replace the damaged element.
- **Shift/fall:**
 - Ladders, sports equipment: block access, reattach, reinforcing fixings.
- **Congestion (waterfalls, fountains):**
 - Turn off the pump and clean the filter or pipe manually or by flushing.

- **Trauma:**

- Cut/bump: wash the wound, disinfect, consult a doctor if necessary.

7. Disposal

- **Materials:**

- PVC (pipes, pool liner, overflow grates): recycle plastic (marked PVC).
- Metal (shapes, ladders): scrap (AISI-304, AISI-316 separately).
- Ceramics/stone (tiles, mosaics): dispose of as construction waste.
- Packaging: cardboard – for waste paper, polyethylene foil – for recycling.

- **Prohibitions:** Do not throw away large items into municipal waste (fines may be imposed for violating environmental protection regulations).

8. Final Recommendations

- **Consultation:** Always check compatibility (e.g. fittings with pipes, glue with pool liner) with the seller.
- **Documentation:** Keep installation records (dates, pressures) for warranty and possible repairs.
- **Quality:** Avoid products without certificates (CE). Low quality pipes and fittings may burst under pressure.
- **Training:** Learn assembly techniques (instructional videos, training) for more complex systems (water installations, assembly, welding of materials and equipment).

The importance of following recommendations

Following the above warnings minimizes the risk of injury, equipment damage and financial loss. Ignoring the recommendations can lead to serious health and property hazards. Take care of your safety and the safety of your loved ones by following the precautions given.