

Productinformation

Acryl-coated profiles, bench-slats, seating and laying surfaces

With SYNTAL – fence system we can satisfy almost anyone's expectations. 14 different colors, thereof 4 with structured surfaces even in combination, different breadths of the laths, different horizontal-geometries, any lengths and a wide variety of cutaway models are available or can be customized.

The plastic-profile exists of an impact-resistant nuclear material, which is permanently coated with acryl-glass. Acryl is considered to be one of the best plastic materials for outdoor use, it is long lasting and UV-stable. The surface is hard and has a silky matt blaze.

Product inspection with various test devices brings outstanding test results in UV-, light-, and color resistance for all standard colors produced by our company. The SKZ-Würzburg (South Germany Plastic Center) provides so-called Examination for White: -test result shows a very good color- and UV-light-resistance for our product. The test was made according to the plastic-window-norm.

Advantages

- Absolutely water-proof
- Very good color-UV-light fastness
- Outdoor installation in summer and winter, no disassembly
- Easy-to-keep
- Immediately dry and usable after rain
- No chipping, no splicing, no danger of injuries
- Almost odorless, even in case of higher temperatures
- Resistant to moisture, salt, oil, alcohol, fat and a lot of acids and caustic solutions. Conditionally resistant to solvents and acetone

The material can be processed with normal wood processing machines and hardened tools (sawing, milling drilling). Please contact us to this effect. The later visible surface cut can be treated with polymer lacquer available from us – color similar to the outer coating.

The specific gravity of the plastics is within the range of hardwood

The following maximal spans without support are advisable:

- Board cross-section, e.g. 95 x 40 mm ≤ approx. 800 mm
- Board cross-section, e.g. 120 x 40 mm ≤ approx. 1000 mm
- Please contact us for other board cross-sections.

At wider spans and/or to have a better bending stiffness especially at additional slats for existing bench- and/or tablesockets, we recommend reinforcements. In general bench-slats with reinforcement need power-assist-rails. We will always be happy to provide consultation about the reinforcement-positioning.

Length-size tolerance at e.g. White are approx. 0,4% at Brown or Moss-green approx.. 0,6%, at differences in temperature approx. 50°C (summer-winter).

Plastic profiles should not lie uncovered, loose or be installed in the blazing sun because they can distort. Besides this they heat up and can be scratched. We advise processing in shadow.

All the measurements, given by us, are ascertained in our company in Aurach at room temperature. Please regard thereby dimensional fluctuations at processing in customers work, e.g. inside and outside temperatures. Please infer possible dimensional fluctuations above.

The Syntal-Acryl-profiles almost need no care. However, they should be cleaned regularly when they are dirty (street dirt, oil, grease, salt, acid rain, moss, etc.), by using warm water, a household detergent and a sponge / soft brush. If they are dirtier than usual, commercial plastic cleaner (attention: no strong solvents, no acetone!) for outdoor applications may be used. Please contact us. Basically, polishing agents are not suitable since they make the surface dull and may even scratch it.

Our plastic-material and colorants are environmentally neutral, harmless to people and animals. It can be recycled and reused in our own production cycles. Steel-reinforcements can be easily removed. Plastics have the fire class 2. We don't use fire retardants.

Additional processing advises:

Pre-drill all screw-fastenings. Diameter of the borer = Core diameter of the screw. Drilling depth = penetration depth of the screw. Distance from the drilling to the edge of the bench-slat min. 20mm. There should be a minimum distance between the bench-slats >= 8mm or >= 25mm in lengthways and across, so that fingers can't squeeze in (safety advise for e.g. playing kids)