



The reason and choices behind ‘how’ and ‘why’ our boats are made.

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Why does our manufacture produce motor boats made of polyester-glass laminate?

The polyester-glass laminate is a very durable and damage-resistant material. This makes it an ideal choice for building motorised boats. Our manufacture has a lot of experience in working with this material. Its strength makes motor boats made of laminate able to withstand a lot, not only for everyday use, but also for adverse weather conditions. It is resistant to mechanical damage, such as impacts or cuts. It is also resistant to harmful factors such as UV radiation, corrosion and fungi. This is especially important for boats that are exposed to the elements. Contact with water is also important here. This material is also a very light material. It allows you to create motor boats with high manoeuvrability and speed. The light weight of the boats makes them easier to handle and manoeuvre. This is especially important in the case of fishing boats.

The polyester-glass laminate allows you to achieve perfect precision during production. It gives you the opportunity to create a boat with a modern and attractive appearance - thanks to its flexibility. The laminate also allows the production of motor-driven boats of non-standard shapes and sizes. Laminate is very easy to care for and maintain. It is easy to repair if damaged and dries quickly when exposed to water.

Glass polyester allows a lot of freedom in the design and production of boats. It is possible to adjust the colour and texture of the material to individual preferences and needs of users. The production of motor boats from polyester-glass laminate is an environmentally friendly process. It does not produce harmful waste or emit harmful substances into the atmosphere. In addition, this laminate is a durable material. It means that laminate boats can be used for many years without having to be replaced. It contributes to reducing waste and protecting natural resources. The prices of laminate boats vary and depend on many factors such as size, shape, equipment or brand. Nevertheless, laminate is generally a cheaper material than, for example, aluminium or steel. This makes it an attractive choice for those looking for a good quality boat at an affordable price.

Stages of production of motor boats by our manufacture

Design and development of technology for the production of Mini Fisher 430 and Mini Fisher 530 units in accordance with standards and regulations.

The design and development of the boat production technology from our offer was carried out in accordance with applicable standards and regulations. All safety requirements have been taken into account in the design process. Each element has been created with the highest quality and durability in mind. We also took into account the expectations and preferences of customers. The boat design was developed by a team of experienced engineers and specialists. They ensured that our boats meet all technical requirements and have proper operating parameters.

The developed production technology ensures precise and even application of the polyester-glass laminate. This guarantees high quality and durability of the hull. Each boat is also subjected to a series of tests and quality checks. In this way, we make sure that it meets all the requirements and standards.

Our manufacture uses the most modern technologies and machines in its production. It allows you to achieve the highest quality standards. Thanks to this, we can be proud of the fact that our motor boats enjoy the recognition and trust of customers around the world.

Our boats have all the required certificates and approvals. They confirm their compliance with applicable standards and regulations. These include CE certificates as well as safety and quality approvals. Having these documents is a guarantee that these boats meet all safety requirements. This also confirms that they are made of high-quality materials.

Preparation of the motorboat hull form.

Preparation of the mould for the production of a motor boat hull by specialists from our manufacture is a process consisting of several stages.

The first step is to prepare a boat hull design. On its basis, specialists from our manufacture will be able to make a mould. This design must include detailed drawings and dimensions of the hull. It also contains information about the type and amount of materials that will be used to make it.

Then specialists from our manufacture start creating the mould. Materials such as plywood, polystyrene or special plastics are most often used to make it. The form must be carefully modelled in accordance with the design, so that after casting the hull of the motor boat it is perfectly reproduced. To make the

hull of the boat, it must also be degreased and sanded to ensure a high quality casting.

Degreasing the mould consists in removing all contaminants from it, such as grease, oils or dust. They can interfere with the casting process and cause defects in the surface of the boat hull. For this purpose, the mould is most often washed and cleaned with special degreasing agents. Grinding the form consists in smoothing its surface so that it is perfectly smooth and uniform. Thanks to this production process, the cast of the motor boat hull will be precise and without any irregularities or scratches. Mild grinding can be done with a variety of tools. These can be grinders, sandpaper or special polishing pastes. After finishing work on the form, specialists from our manufacture prepare it for casting the boat hull. For this purpose, they select the appropriate type of material that will be used for the casting. They also prepare the workstation and all the necessary tools and equipment.

Preparing a mould for making a boat hull is a process that requires knowledge, experience and precision. Specialists from our manufacture are perfectly prepared for this task and guarantee high quality of their work.

Application of laminate in the construction of the hull of our motor boats.

Boat builders from our manufacture are specialists in applying laminate to boat hulls. Their experience allows them to do the job quickly and accurately. The process of applying laminate to the boat hull begins with surface preparation.

The hull must be clean and dry, and any unevenness must be evened out. Getting a smooth surface is essential. Only then will it be suitable for laminating. Then the boat builders from our manufacture apply laminate layers using special rollers and compressors. It is important to get the right thickness and strength. Once the layers of laminate have been applied, our manufacture boat building team use special tools and techniques to smooth and level them. Then the laminate is dried using special UV lamps. It allows you to quickly create a durable surface. The process of applying laminate to the hull of a boat is time-consuming and requires experience and precision. The boat builders from our manufacturing team have the necessary knowledge and skills in applying the laminate. This allows them to do the job with the highest quality. The result of their work is a durable and aesthetic boat hull that will serve for many years.

Laminate extrusion and boat laminate processing.

After applying the appropriate number of layers of fabric, the whole thing is subjected to heat treatment. We do this to harden the laminate and give its final shape. This process requires specialised tools and skills. Errors made during extrusion of the laminate can lead to unevenness and poor hull quality. As a result, extrusion of the laminate is an important step in the production process. It affects the durability and strength of the glass-polyester boat hull. After applying the laminate layers, the mould is placed in a vacuum chamber. There it is heated to the right temperature and subjected to high pressure. All this serves to ensure that the laminate squeezes out and adheres well to the shape of the mould. This process takes up to several days. The edge treatment of the boat after extrusion of the laminate is an important step in the production process. First of all, remove all bumps and depressions to get a smooth surface. Then cut out any excess laminates and finish the edges. This can be done with a grinder or saw. The next step is to cut out all the holes. Such as bolt holes, all trim holes and all trim holes. Then you need to finish the edges of the boat to get a smooth surface. This can be done with a grinder or saw. The last step is to finish the edges of the boat to get a smooth surface. This can be done with brushes, sandpaper or grinders. After completing all the above steps, the boat is ready for use.

Boat hull painting.

Painting the hull of a boat made of polyester-glass laminate is an important element of its appearance and durability. Before painting, clean the surface thoroughly to remove any contamination and ensure good paint adhesion. Then apply a primer that will ensure even distribution of paint.

After the primer has dried, apply a paint that is water and sun resistant. Acrylic or epoxy paints are most often used to paint the hull of a glass-reinforced polyester boat. Acrylic paints are easy to apply and dry quickly. Unfortunately, they are less resistant to water and sun. Epoxy paints are more water and sun resistant. However, they are more difficult to apply and require a longer drying time. After applying the paint, it must be polished to obtain a smooth surface. Finally, apply a varnish that will protect the surface against mechanical damage. Painting a boat hull made of glass-reinforced polyester requires time and precision. This is an important step in the boat building process.

Boat assembly.

Assembling all components into the completed boat hull can be a time-consuming process. This is an important step in creating a ready-to-use boat. First, you must install the engine that will propel the boat. You need to run it and check that everything works properly. Then you need to install seats that will provide comfort while driving. The next step is the electrical installation, which will provide access to electricity on board the boat. An important element is also the railings that will ensure safety when moving around the deck. Lighting is also an important element that will allow you to see on board in the dark. The radio is another important element that will allow you to be entertained while driving. The fuel system is also important as it provides access to the fuel needed to run the engine. Ladders and stairs are also important elements that allow boarding the boat. Finally, the upholstery should be installed, which will ensure the comfort and aesthetics of the interior of the boat.

Regulations and legal standards applicable to motor boats made of glass-reinforced polyester.

Motor boats made of glass-reinforced polyester must meet a number of regulations and legal standards regarding safety and environmental protection. In addition, the boat comes with all the necessary certificates.

