

BEST WATER SLIDES TECHNOLOGY

Seamless water slide tube now in L-RTM technology!

What is L-RTM?

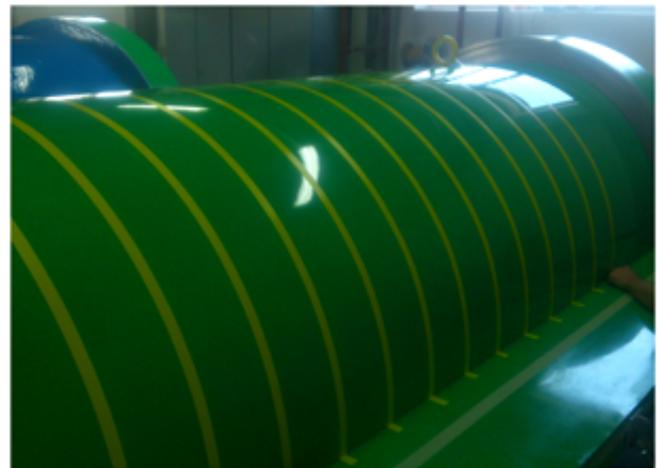
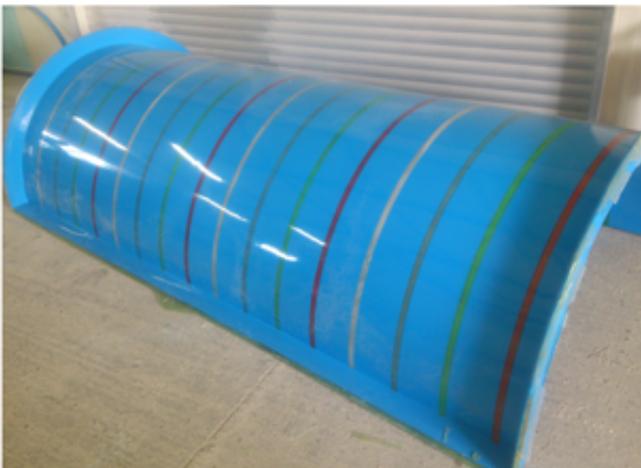
L-RTM (LightResin Transfer Moulding) is one of the technologies of creating compound products. It consists in inserting resin between two tightly fitting moulds with small pressure. Additionally, the whole process is supported by negative pressure. Reinforcement, in the form of glass fibre, is put dry in the mould, which is covered with gel-coat.

How is L-RTM different from RTM?

The difference between Light RTM and traditional RTM is that in the first method a low injection pressure of the resin is used, making it possible to produce counter moulds of lighter construction. This provided the origin for the name of the process - „light” RTM. In classic RTM technology, more solid, mainly steel moulds are used, which rises their construction costs, but at the same time allows for a higher injection pressure.

Benefits of L-RTM

The L-RTM technology makes it possible to limit the emission of styrene, thus limit the undesirable smell associated with conventional compound production. By using two tightly fitting moulds we achieve a detail that is smooth on both sides. As a result, our product benefits not only in terms of aesthetic qualities, but also in terms of durability (higher glass content, lighter construction). Besides, L-RTM makes it possible to produce detail of complex shapes and sizes. An unquestionable advantage of L-RTM is precision of dimensions, repeatability and greater possibility of controlling the production process. The industrial production using L-RTM technology reduces waste quantities, costs of raw materials as well as of costs of energy consumed during production.

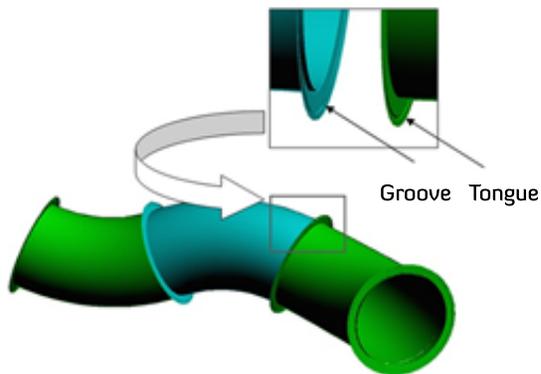


What are the benefits of L-RTM slides for the investor and the user?

The slides manufactured in L-RTM technology benefit in terms of appearance, as their surface is smooth on both sides. The L-RTM method makes it possible to reduce the emission of styrene in approximately 15%. This agent, instead of being released into the environment, becomes a part of the laminate structure. This improves durability of the detail, at the same time lengthening its exploitation period.

Can multimedia be used in the L-RTM slide?

The L-RTM slides may be additionally equipped with so-called multimedia effects (light, music and almost transparent colour). While choosing electrical effects an additional coating needs to be made as obligatory protection external factors. Such coating gives additional isolation keeping the shiny surface from the outside.



Connections of the pipes

The slides manufactured by the Mazur company are characterized by seamless pipes. Additionally, the 1000 mm diameter pipes and 1400 mm diameter half-pipes have tongue and groove connections, which facilitate the assembly and prevent the elements from shifting against one another during use of the slide. The L-RTM moulds possess extremely precise dimensions. Therefore, pipes produced using L-RTM method are characterized by repeatable shape and extremely precise and tight connections.

What range of colours do you offer?

Any full or semi-transparent colour. The range of available colours is unlimited.

