



SPRAYOMER™

ELASTOMER TECHNOLOGY BY
SR COMPOSITES LLC

CLOSED MOLDING REUSABLE BAG
Bio Based VARTM System
Water-based / silicone free



GREEN TECHNOLOGY ENSURES A COST-EFFICIENT CLOSED MOLDING PRODUCTION PROCES

Sprayomer™ Elastomer provides a cost-effective Green solution over conventional vacuum bagging films. Whether you work with polyester, vinylester or epoxy resins. Sprayomer eliminates considerable waste associated with typical bagging films and systems and is reliable, durable and environmentally friendly solution.

PRODUCTION OF A SPRAYOMER™ BAG

After mould preparation, the Sprayomer Elastomer material can be sprayed on the surface with the QuickMold Sprayer™. Several layers are sprayed until the desired thickness is achieved. 1,5 to 2 mm thickness is sufficient. The QuickMold Sprayer produces and excellent spray pattern which is essential for building a homogenous and pore-free Sprayomer bag. The material is left to cure overnight and after some finishing the bag is ready to use.

CHARACTERISTICS

Durable	250 mouldings with one bag
Flexible	600% elongation at break
Seamless	No leakage, unlimited mouldsize
Repairable	Easy to repair
Sprayable	Perfect net-shape
Low permeability	Effective diffusion barrier
Prevulcanised	No catalyst needed, one component
Solvent free	Water based
Puncture resistant	Durable, no reinforcement needed
Silicone-free	No workshop contamination
Time saving	Quick bag sealing system
Wast decreasing	No foil or tacky tape needed

AIRTIGHT SEALING

To connect the vacuum bag airtight to your mould we prefer to use our Zipperseal. This consists of two extruded profiles that work similar to a zipper. One part is bonded onto the mould, the other part is integrated into the Sprayomer vacuum bag. The bag is in place and vacuum tight in minutes. There are several bag seal options. Feel free to ask us for more information.



Frame seal



Zipper seal



Keyway seal

BENEFITS

- Spray-on technology
- Eliminates consumables and waste
- Gain control over bag bridging and wrinkles
- Build seamless, netshape vacuum bags in any size or shape
- Tear resistant bags are lightweight, durable and easy to handle
- Silicone-free single component material, cleaning can be done with distilled water.

VACUUM TRANSPORT THROUGHOUT THE BAG

To ensure a full vacuum, an air/resin transport strip (Waste Fluid Transfer Conduit, WFTC) is sprayed inside the bag. The texture of the strip's surface is copied into the Sprayomer bag and can transport air and act as a resin brake at the end of the infusion. Resin feed channels can be integrated in a Sprayomer bag.

CONCLUSION

We believe that:

- Closed molding is the best path to building optimized composite structures
- Most composites can be closed molded in a sustainable manner
- Production by Vacuum Infusion requires reusable vacuum bag materials and apparatus
- VOC's, HAP's, and consumables are minimized by employing closed mold processes solutions
- SPRAYOMER™ re-usable vacuum bags make sense for ... Your employees ... Our environment ...
Your return on investment

If you share our vision we can provide your solution.
Check our website to search for a European distributor
in your area.

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