



## Rhodorsil® TCS series

From the safety of today to  
the extreme requirements  
of tomorrow

# Your future WITHIN OUR REACH



## **Rhodorsil® TCS:** **Silicone Textile Coating Systems for technical textiles**

Bluestar Silicones understands your desire for differentiation, to develop innovative quality materials, to always be more adaptive, to push the boundaries of this fast-paced evolving market.



## The visible imprint of our philosophy and commitment

### Expertise

Through our experience and technological expertise developed over the years, Bluestar Silicones has been able to deliver silicone solutions to markets ranging from occupant safety protection, medical application, to sports and leisure wear. By combining your unique know-how with our expertise we can help shape your technical textiles to be lighter and more durable with maximum protection.

### Meeting new challenges

Bluestar Silicones's experience in partnership driven innovation, supported by state of the art capabilities in textile characterization, silicone processing, and final performance assessment, will help you meet the increasingly extreme requirements of the textile coating market.

### Highly collaborative technical support near you

Our dedicated experts and development laboratories throughout the world are fully integrated and understand your performance and processing requirements in the conceptual or design phase of new silicone systems. Thanks to a variety of in-house pilot coating and application testing devices, we are ideally suited to test materials and provide tailor-made support throughout your entire development stage, thus ensuring a high probability of success.

**BECAUSE  
BLUESTAR SILICONES CANNOT WORK ALONE...**

# protect

a wonder of technology  
**DESIGNED TO HELP YOU LAST!**

Imagine an adaptive toolbox with immense possibilities for exceptional, innovative performance or processing improvement.

# enhance

Do you need to:

**Deliver a very high degree of protection?**

**Bond silicone-coated textiles together?**

**Enhance the physical properties of your textile?**

**Balance invisible protection with visible performance?**

**Modify the surface characteristics of the textile?**

Would high speed processing be beneficial?

**Want to design complex performance with a single or multi-layer approach with great adhesion?**

**Need to maximise the coverage of silicone and maximise performance?**

# tailor-made

**YOU WILL BE AMAZED BY HOW OUR SYSTEMS CAN HELP...**

Processing technologies

# Application performance

**Product portfolio**



## Focused on performance

Many coating challenges are difficult to solve with organic polymers alone. Rhodorsil® TCS can help you find solutions where thin, pliable, or complex stretch composite fabrics need to be used. Airbag coatings and soft-shell composite fabrics are two examples of applications where our inorganic polymers provide high performance solutions.

Innovative design of our systems allows us to deliver improved performance of the coated fabric, while bringing a significant decrease in overall weight and flexibility.

## Focused on productivity

Rhodorsil® Textile Coating Systems (TCS) are specifically designed to maximize productivity without sacrificing critical product performance. Most of our systems do not require post curing, thereby eliminating additional processing time, reducing maintenance, energy costs and inventory, thereby improving your bottom line.

We will listen carefully to your process requirements and recommend the best system to meet your needs. We also can show you advanced systems with alternative coating technologies that boost productivity beyond what you thought was possible.

## Focused on durable protection

Our engineered silicone systems combine excellent wetting characteristics and intimate fiber coating ensuring excellent adhesion on a wide variety of substrates. Moreover, the integrity and the physical properties of the crosslinked silicone provide outstanding resistance to natural ageing. Rhodorsil® TCS will protect composite fabrics against harsh environmental conditions, such as UV and ozone exposure, over a large spectrum of temperature and humidity conditions.

**PUT OUR TEAM TO THE TEST!**

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**BLUESTAR**  
SILICONES