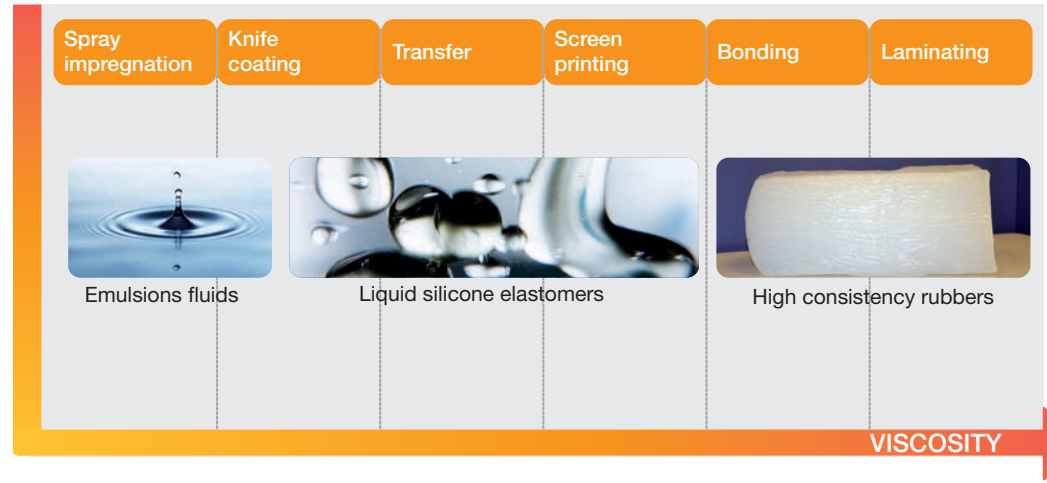


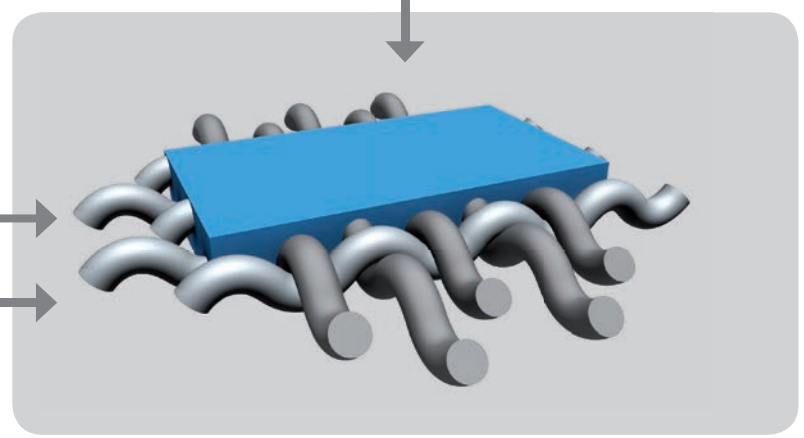
# From process... to performance

## PROCESS

Various silicone technologies designed to fit different textile coating & finishing process requirements



## SILICONES



## SUBSTRATES

Silicone technologies fit various types of fibrous substrates:

- woven/non woven/knits
- Polyamide, polyester, aramide, glass

## PERFORMANCE

Optimized interaction between textile/coating material/process makes the difference in attaining the final performance of the textile composite.

- tensile & tear strength
- thermal & fire resistance
- ageing performance & durability
- DWR
- liquid barrier
- skin innocuity
- abrasion resistance
- UV resistance
- anti-slip
- softness & flexibility
- light transmission



# Bluestar Silicones throughout the world

**Commonwealth of Independent States (CIS), Middle East, Eastern Europe, Africa**  
**Bluestar Silicones France SAS**  
 21, avenue Georges Pompidou  
 F - 69486 Lyon cedex 03  
 Tel. + 33 (0)4 72 13 19 00  
 Fax + 33 (0)4 72 13 19 88

**France, Belgium, Luxembourg, the Netherlands**  
**Bluestar Silicones France SAS Customer Service**  
 55, rue des Frères Perret  
 F - 69191 Saint-Fons cedex  
 Tel. + 33 (0)4 72 73 71 00  
 Fax + 33 (0)4 72 73 76 58

**Italy**  
**Bluestar Siliconi Italia Srl**  
 Via Archimede, 602  
 I - 21042 Caronno Pertusella (Va)  
 Tel. + 39 02 96 41 41  
 Fax + 39 02 964 50 209

**Germany, Switzerland, Austria**  
**Bluestar Silicones Germany GmbH**  
 Borsigstrasse 1  
 D - 51381 Leverkusen  
 Tel. + 49 (0) 2171 91349 0  
 Fax + 49 (0) 2171 91349 10

**Spain, Portugal**  
**Bluestar Silicones España SA**  
 C/Vic 3, Poligono Industrial La Florida  
 E - 08130 Santa Perpètua de Mogoda (Barcelona)  
 Tel. + 34 935 040 200  
 Fax + 34 935 608 049

**Norway, Sweden, Denmark**  
**Bluestar Silicones Scandinavia A/S**  
 Dronningensgate 6  
 N - 0152 Oslo  
 Tel. + 47 22 91 07 60

**Finland**  
**Bluestar Silicones Finland OY**  
 Eskolantie 1 A  
 FI - 00720 Helsinki  
 Tel. + 358 9 350 877 30  
 Fax + 358 9 350 877 17

**Poland**  
**Bluestar Silicones Poland Sp z o.o.**  
 ul. Grzybowska 80/82  
 PL 00-844 Warszawa  
 Tel. + 48 22 661 55 21  
 Fax. + 48 22 661 51 20

**Czech Republic**  
**Bluestar Silicones Czech Republic, s.r.o.**  
 Za potokem 46/4  
 106 00 Praha 10  
 Czech Republic  
 Tel. + 420-603-496662

**United Kingdom, Ireland**  
**Bluestar Silicones UK Ltd**  
 Wolfe Mead, Farnham Road  
 Bordon, Hampshire GU35 0NH  
 Tel. + 44 14 20 477 000  
 Fax + 44 14 20 483 200

**USA - Canada**  
**Bluestar Silicones North America**  
 Two Tower Center Blvd - Suite 1601  
 East Brunswick - NJ 08816 - 1100 - USA  
 Tel. + 1 732 227 2060  
 Fax +1 732 249 7000

**Latin America**  
**Bluestar Silicones Brasil Ltda**  
 Av. Maria Coelho Aguiar, 215  
 Bloco G - 1º ANDAR - São Paulo - Brazil  
 CEP : 05804-902  
 Tel. + 55 11 37 47 78 87  
 Fax + 55 11 37 41 77 18

**Hong Kong - Asia Pacific Regional Office**  
**Bluestar Silicones Hong Kong Trading Co., Ltd**  
 29/F, 88 Hing Fat Street  
 Causeway Bay, Hong Kong  
 Tel. + 852 3106 8200  
 Fax + 852 2979 0241

**China**  
**Bluestar Silicones Shanghai Co., Ltd**  
 3966 Jin Du Road  
 Xin Zhuang Industrial Zone  
 Shanghai 201108, China  
 Tel. + 86 (0)21-5442 6600  
 Fax + 86 (0)21 5442 3733

**Korea**  
**Bluestar Silicones HK Trading Co., Ltd**  
 Korea Branch 17/F, Kangnam Bldg., 1321-1,  
 Seocho Dong, Seocho Gu, Seoul, Korea  
 Tel. + 82 (0)2 3472 5137  
 Fax + 82 (0)2 3472 5007

**Japan**  
**Bluestar Silicones Hong Kong Trading Co., Ltd**  
 Roppongi First Building, 1-9-9 Roppongi, Minato-Ku,  
 Tokyo, 106-8540, Japan

For detailed commercial contacts please visit our website:  
[www.bluestarsilicones.com](http://www.bluestarsilicones.com)

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**Bluestar Silicones France SAS**  
 21, avenue Georges Pompidou  
 F-69486 Lyon Cedex 03 - France  
 Tel: +33 (0)4 72 13 19 00 - Fax: +33 (0)4 72 13 19 88



# Bluesil™ TCS series follow the thread

Bluestar Silicones. Delivering Your Potential.



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# Bluestar Silicones

Bluestar Silicones is one of the world's leading fully integrated silicone manufacturers with applications and research laboratories, production sites and sales offices located around the globe.

We focus on developing state-of-the-art application expertise to help our customers challenge their boundaries.

At Bluestar Silicones, we have more than just high quality silicone products.

We have dedicated people located around the globe committed to your success.

From technical support to customized formulations, Bluestar Silicones has the people in place when and where you need them.

## Technical textiles and silicones: together for durable performance!

The challenge for technical textiles is to constantly innovate in order to offer new functions, and respond to the evolving needs of our society. Pushing the limits means relying on high end materials, such as our Bluesil™ Textile Coating Silicones.

Bluesil™ TCS systems are engineered taking into account the substrates' specifications and the coating and finishing processes, with the objective to create advanced design possibilities for technical textiles.

From luminous architectural membranes to increased automotive safety, silicones are key to the development of technical textiles. Let us innovate together!

## Working with Bluesil™ TCS systems means:

- Access to latest innovation in silicone chemistry and processing techniques
- Coating and bonding products designed to deliver the right performance, durably
- Highest quality standards in technical textiles
- A global presence enabling wide availabilities of Bluesil™ TCS technologies, along with dedicated technical support

### Bluesil™ TCS products

#### Performance

- Safety
- Protection
- Comfort

#### Durability

- Durable adhesion
- Outstanding ageing properties
- Weathering resistance

#### Productivity

- Application know-how
- Clean & easy
- System efficiency

# Bluesil™ TCS submarkets and applications



## Anti-slip

With their unique and **controlled anti-slip properties**, Bluesil™ and Silbione® TCS systems are the materials of choice for textiles with non slip characteristics, used as functional parts in the fashion, sports and medical industries.



## Technical coatings

Bluesil™ TCS products are **exceptionally resistant to environmental attack** (UV, heat, fire, aging and mechanical stress). They are used for their insulation and protection properties in technical textiles for making personal protective equipment, welding blankets, insulation panels, etc...

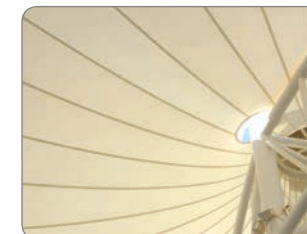
## Airbag

Bluesil™ TCS silicone coatings and adhesives are specially engineered to offer new design and assembly solutions in airbag cushions, ensuring **the right performance** at the time of deployment, while allowing smaller, lighter airbag modules in today's automobiles.



## Architectural membranes

Building up textile structures that cover, protect, separate or simply complete an architectural design requires an outstanding compromise in terms of mechanical properties, light transmission, resistance to environmental constraints, **flexibility and durability**. Bluesil™ TCS systems deliver!



## Textile printing inks

Use our technologies for compounding textile printing inks to bring multiple benefits such as low environmental impact, quality of the finished product, or even **ease of use**.



## Sport and leisure applications

High performance textiles associated with Bluesil™ TCS systems are the perfect combination to perform (strength, grip...) and provide protection in severe weather conditions. **Reliable in any situation**, Bluesil™ TCS improves the composite whilst keeping it lightweight, soft, and stretchable.

