



**True to the original  
in every detail**

Bluestar Silicones. Delivering Your Potential.

**BLUESTAR**  
**SILICONES**

# Silicones for molding applications

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're more than just high quality silicone products.

We are dedicated people located around the world committed to your success. From technical support to customized formulations and regulatory support Bluestar Silicones has the people in place when and where you need them.

50 years ago, Bluestar Silicones developed the Bluesil™ RTV-2 range for the moldmaking market. As a global leader in moldmaking silicones market, Bluestar Silicones offers a complete line of innovative silicones RTV-2 products to meet your various moldmaking needs.

## Our Technical Service

**Bluestar Silicones technical service is ready to suggest the best moldmaking product that fulfills not only the technical requirements but also the economics of the production cycle in which the molds are to be used.**

This is possible through the accurate reproduction in the R&D laboratories of the real conditions at which the molds are used, such as the size of the mold, the demolding capabilities, the reproduction resins in use, the temperature/humidity of casting, and all specific additional variables that differ from customer to customer.

With such customer-focused technical assistance the RTV-2 that really fits all customer requirements is readily identified. Bluestar Silicones support continues as required also out of the R&D lab, by showing at the customer facility the best practices to work with the RTV-2 product, from the moldmaking process to the use of the obtained mold, exploiting the full potential of each grade.



# Our applications



## General purpose

- Unbeatable reproduction fidelity of details
- Long mold durability
- Room temperature Moldmaking
- Good fluidity
- Excellent flexibility
- Easy processing
- Self releasing molds
- High resistance to PUR resins
- Large choice of hardnesses and always excellent mechanical properties
- Large choice of catalysts which allows fulfillment of requirements for various applications



## Construction/ Architectural Molding

- Ease of processing
- Resin resistance
- Low linear shrinkage
- Highly accurate reproduction
- High mechanical properties
- Easy demolding from vertically developed shapes
- High compatibility with water rich casting materials (i.e. gypsum)
- Better compatibility to high performance concrete



## Rapid Prototyping/ Composite manufacturing

- Very good transparency
- Exceptional mechanical properties
- Long moldlife
- Accurate reproduction of details
- No shrinkage upon cure
- Free matching within product range
- Chemical resistance
- Easy mold release





# True to the original...

## Our technology makes the difference

### Innovations

For Bluestar Silicones, innovation is the basis for the development of new products and services, offering a competitive advantage to its partners and customers through a large range of technologies and applications.

The idea is to respond effectively and rapidly to customers' needs. For example, one of our last innovations is concerning our SPU range: now, customers can make 200 castings of polyurethane with the same mold.



### Close collaboration

Supporting its clients daily, constantly seeking progress and respect for commitments made, all Bluestar Silicones' employees are aware of the need to put their skills, knowledge, know-how and motivation to daily use in order to offer suitable products and solutions with the aim of continuously improving quality and listening to their customers' needs.

### A global presence

Bluestar Silicones is present worldwide, with a strong industrial base in Europe and China. Its two major intermediates production sites for upstream applications in Roussillon in France and in Xinghuo in China, provide the group with two important geographical anchor-points. Bluestar Silicones is also present in Spain, Germany, Italy, United States and Brazil.



# Bluestar Silicones throughout the world

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