



# The Bluesil™ Difference for construction

Bluestar Silicones. Delivering Your Potential.

**BLUESTAR**  
SILICONES

# Bluestar Silicones

Bluestar Silicones is one of the world's leading fully integrated silicone manufacturers with application 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 and regulatory support, Bluestar Silicones has representatives in place when and where you need them.

Bluestar Silicones is committed to a Sustainable Development Policy which favours the use of new, more environmentally-friendly technologies and the respect for people in their environment, now and for future generations. It also means accepting our social responsibility, showing that we are a responsible chemical company with regard to the whole of society, the environment, local inhabitants, and our employees.

## Silicones in Construction Field

People have constructed buildings since prehistory. They first used mortar, sand and water. Over the course of time, they started to use new materials they discovered. Silicones were discovered between 1823 and 1935 and have started being used in various fields of applications.



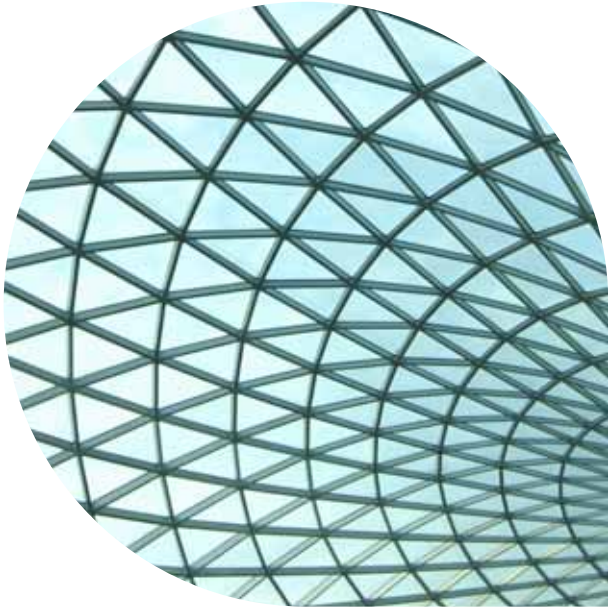
## Bluestar Silicones in the Construction Field

The first 'silicone' sealant was created on the Bluestar Silicones' site of St Fons, Lyon, France in 1957!

Silicones have revolutionised the way to build. By improving strength, flexibility, and resistance, they protect the structural integrity of a building so it can stand the test of time.

By acting as an elastic joint between construction materials, the silicone allows the necessary give and take needed to compensate for fluctuations in temperature, humidity, wind, and other environmental effects.

Bluestar Silicones combines know-how in silicones, and more specifically silicone sealants, with more than 50 years experience in the construction field. Bluestar Silicones provides formulated sealants as well as raw materials for formulation, primers and auxiliaries.



## Tech Service

From product approval to after-sales technical service

The added value of Bluestar Silicones is of course the Service! Our technical service laboratory carries out analysis and tests to assess the performance of its silicones in a given application. Our sealant technical teams, dedicated to the construction business, are located all over the world to provide you with assistance to fit the specific local features of your market. Our highly trained technical service representatives will support you with product information and tools. They are keen to assist you in your project and to answer your questions as soon as possible.

## R&D

R&D department and production units have been certified to ISO 9001 quality standard for a number of years. Our commitment to quality can be seen in our modern cutting edge production methods, and equipment. Research & development, production, technical service, logistics, and sales personnel are working hand-in-hand, on a same site. We put at your disposal the know-how needed to resolve all problems of sealing and bonding.

## Regulatory assistance adapted to the most demanding markets

Our specialists have detailed knowledge of the evolution of standards and current regulations. They are capable of guiding you in terms of legislation as well as giving you regulatory assurance for all the most demanding applications. Most of our sealants meet the major standards of the construction market such as:



Please feel free to contact us if you need further detailed information as regard to these standards. We will be pleased to assist you with your enquiry.

# What is our difference?



## The best Alcoxy range on the market

**Strengths:** high adhesion properties, neutrality, low modulus for joints with high movements.

**Applications:** glazing, construction joints, multipurpose bonding.

### Our best translucent alcoxy

**Novart:** neutral and fast curing, ready to use silicone elastomer. Novart is suitable for weather sealing and bonding seals. Primerless adhesion on numerous substrates.

## High performance acetic sealants

**Strengths:** fast curing speed, storage stability, resistance (UV, temperature and chemicals), long shelf life.

**Applications:** glazing, sanitary, DIY, swimming pool, aquarium...

### We offer general purpose products as well as specialities or high performance:

**3B:** cures rapidly, movement capability of 25%, excellent resistance to severe weathering or acids.

**VEC 90 and VEC 99:** intended for structural glazing assembly applications.

## Full service to formulators with unique features

### Semi-finished product

The master batch is an innovative concept for our best alcoxy sealant (10B). All the technology is already in the bag, you choose when you process it and how to customize it.

### Fluids & polymers

Oils are core polymers for the manufacture of one component silicone sealants.

### Auxiliaries

**Primers:** these products are solutions that dry in air, containing a siloxane that reacts with atmospheric humidity. In order to achieve long term adhesion of sealants on difficult substrates, primers are needed.

**Silicone Remover:** this liquid removes traces of silicone; it can be used for surface preparation or renovation.

# Examples of Bluestar Silicones achievements all over the world

Bluestar Silicones sealants possess superior durability, temperature resistance, adhesion and weather resistance. Here are some representative realisations using our product and showing presence in the construction market all over the world.



A quality system certified to NF ISO 9001: 2008 and NF E N / AS 9100 standard



**An ongoing commitment to safety, protection of health and the environment**

Having signed its name to the U.I.C. (Chemical Industry's Union) commitment to progress, Bluestar Silicones is committed to manufacturing its products and carrying out its operations with a continuous focus on improving safety and protecting health and the environment.

# Bluestar Silicones throughout the world

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