



Adhesion Primers and Auxiliaries

Bluestar Silicones. Delivering Your Potential.

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In general, Silicones sealants adhere to the majority of substrates. In some cases, in order to achieve long term adhesion on specific substrates, the application of Primers may be required.

In the case of challenging weather conditions (high temperatures, damp conditions etc.) the use of Primers might also be advisable. Depending on the nature of the substrates, the application of Primer might also be recommended.



The Primer range

The Bluestar Silicones Primer range is made up of a series of surface treatment aids designed to allow Bluestar Silicones elastomers to achieve optimal adhesion to many different surfaces. Primers are products in solution form that dry in air, and contain a siloxane that reacts with atmospheric humidity.

Benefits

When used with Bluestar Silicones elastomers, Primers allow optimisation of sealant adhesion on a wide variety of surfaces:

- Plastics such as PVC, ABS, PA, PC, PMMA
- Composite materials, glass fibre, epoxy resin
- Aluminium
- Polished or unpolished stainless steel
- Painted, zinc-plated, chrome-plated steel
- Porous surfaces.

	Bluesil™ Primer 131	Bluesil™ Prim PM820/PM820 UVT	Bluesil™ Prim PM 824	Bluesil™ Prim 12076	Bluesil™ Prim 10073
Main characteristics	Metallic powder coating & substrates, stainless steel, aluminium, Zn or Cr – plated steel	Metallic and plastic substrates (ABS, PA, PC, PMMA...)	Painted steel, epoxy/PES powder coatings, metallic substrates	Porous substrates: concrete, marble and wood	Aluminium, stainless steel, zinc and alloys, PES powder coating, fluorinated resin based substrates
Colour	Translucent	Light yellow, translucent	Translucent	Translucent	Translucent
Flash Point, °C, approx	12	-26	27	9	12
Diluent	Aliphatic hydrocarbons	Aliphatic hydrocarbons	Aliphatic hydrocarbons	Isopropyl alcohol	Isopropyl alcohol (acetone)
Solvent	Isopropyl alcohol	Aliphatic hydrocarbons Hydrotreated light naphtha	Octamethyltrisiloxane	Toluene, Isopropyl alcohol, Xylene	Isopropyl alcohol
Min. drying time	1 min	1 min	15 min	20 min	15 min
Max. drying time	6 h	6 h	6 h	1 h	3 h
Packaging	0.8 Kg	0.75-20 Kg	0.4 Kg	0.8 Kg	0.8-20 Kg
Shelf life	24 months	12 months	18 months	18 months	18 months

Recommendations

Processing is particularly easy since Bluestar Silicones Primers are delivered ready-to-use. In all cases, Primers must be applied to perfectly clean and dry surfaces.

Bluestar Silicones Primers are applied with a dry cloth or a fiber pad in a thin and uniform coat. Apply Primer just to the joint surfaces but not to the material's surface, as this will prevent possible staining.

- After applying Bluestar Silicones Primers, it is recommended to leave a minimum drying time before applying the elastomer on the treated surface. A maximum waiting time before applying the elastomer is also required to achieve optimum adhesion (see technical data table).

- To avoid any problems with hydrolysis, it is recommended to limit unused product exposure to atmospheric humidity by closing the container after each application.

Primers should be applied on a thoroughly prepared surface in order to form a thin film.

In case of doubt, make a trial on a sample and check the behaviour of the joint after some days of complete dryness.

For more detailed information on the use and application of Primers, please contact our technical service specialists.

Silicone Remover

As the name suggests, this liquid removes all traces of cured silicone from various substrates.

It is recommended for use during renovation jobs where previously used silicones may be encountered and is also useful to clean tools after the use of any silicone.

Benefits

- Removes all types of RTV silicone
- Available ready-to-use
- Usable on many common substrates
- Improves the ease of removal of old joints
- Recommended for surface preparation and cleaning tools

Applications

- Shower / bath
- Repair expansion joints
- Various substrates

Bluesil™ Silicone Remover	
Main substrates	Glass, tiles, enamel, metals, PVC, PC
Physical state	Liquid
Colour	Light brown
Specific gravity at 20 °C, approx	0.9
Flash point, °C, approx.	> 70
Min. application time	20 min.
Packaging	1 L, 40 L
Shelf life	24 months

For detailed commercial contacts please visit our website:
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

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