

BLUESILTM PRIM PM 820 & PRIM PM 820 UVT

Adhesion Primers for Silicones Elastomers

Description **BLUESIL PRIM PM 820 & PRIM PM 820 UVT** are adhesion promoters for silicones elastomers: CAF one-component and RTV-2 two-components curing at room temperature, for LSR (Liquid Silicone Rubber), as well as heat curing rubbers (HCR), on a large number of substrates.

The **BLUESIL PRIM PM 820 UVT** contains an UV marker to visualize areas where primer has been applied using Ultra Violet light.

Examples of applications **BLUESIL PRIM PM 820 & PRIM PM 820 UVT** are used to improve silicone elastomer adhesion on various type of substrates such as:

Steels, aluminium, stainless steel, coated steels (epoxy, PES, PU paints), plastic and composite materials with glass fibre, epoxy resin.

Advantages **BLUESIL PRIM PM 820 & PRIM PM 820 UVT** are ready-to-use.

BLUESIL PRIM PM 820 & PRIM PM 820 UVT allow quick and optimal adhesion development at room temperature on various types of materials subject or not to thermal stresses.

Characteristics Characteristics of the products

<i>Properties</i>	PM 820	PM 820 UVT
Appearance	Fluid liquid	Fluid liquid
Colour	Transparent	Yellowish
Viscosity (at 23°C, mPa.s, approx.)	1	1
Density (at 23°C, approx.)	0.75	0.75
Non-volatile content (in % of weight, approx.)	12	12
Boiling Point, °C	80 - 110	
Solvent	Aliphatic hydrocarbon	
Diluent	Petrols and White Spirit	

BLUESIL™ PRIM PM 820 & PRIM PM 820 UVT

Processing

The **BLUESIL PRIM PM 820 & PRIM PM 820 UVT** are particularly easy to process because they are delivered ready to use. In all cases, they must be applied on clean and dry surfaces.

The **BLUESIL PRIM PM 820 & PRIM PM 820 UVT** are applied with a fibre pad or a dry clothe in a thin and uniform coat.

The working temperatures of the **BLUESIL PRIM PM 820 & PRIM PM 820 UVT** must be respected: + 5°C to + 30°C. The use of the primers at higher temperatures will cause a very fast evaporation and thus lead to irregular layers of primers.

In order to avoid hydrolysis phenomenon, it is recommended not to leave the tin of primer in contact with atmospheric humidity but to fill only small amounts of primer into a small beaker and re-seal the bottle immediately.

After applying the **BLUESIL PRIM PM 820 & PRIM PM 820 UVT** it is recommended to wait a few minutes at room temperature to allow it to dry, before applying the silicone elastomer on the primer-prepared surface. A maximum opened time of 6 hours should be respected.

In all cases, if a hydrolysis phenomenon appears, it is recommended to remove the primer and to re-apply it again.

With **BLUESIL PRIM PM 820 UVT** type, areas where primer is applied are detectable with U.V. light and layers appear in blue colour.

Packaging

The **BLUESIL PRIM PM 820 & PRIM PM 820 UVT** are delivered in 0.75 kg and 20 kg containers.

Storage and shelf life

When stored in its original unopened packaging, at a temperature of between + 5°C and + 30°C, the **BLUESIL PRIM PM 820 & PRIM PM 820 UVT** may be stored for up to 12 months from the date of manufacture clearly marked on the packaging.

Beyond this date, Bluestar Silicones no longer guarantees that the product meets the sales specifications.

Safety

Please consult the Safety Data Sheets of the **BLUESIL PRIM PM 820 & PRIM PM 820 UVT**.

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