

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: <ul style="list-style-type: none">• Steels,• aluminium,• stainless steel,• coated steels (epoxy, PES, PU paints),• plastic and composite materials with glass fibre, epoxy resin
Key benefits	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.

Typical properties**Characteristics of the products**

Properties	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	80 - 110
Solvent	Aliphatic hydrocarbon	Aliphatic hydrocarbon
Diluent	Petrols and White Spirit	Petrols and White Spirit

Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

Instruction of use	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>
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BLUESIL PRIM PM 820 + 820 UVT

Technical Data Sheet n° 1499-V3 – 2020/01/09

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.

Regulation	Please consult your local ELKEM SILICONES sales office.
Limitations	Please consult your local ELKEM SILICONES sales office.
Packaging	<ul style="list-style-type: none">• BLUESIL PRIM PM 820 is available in<ul style="list-style-type: none">○ Drum of 20 KG (44.1 LB)○ Carton of 6 PC• BLUESIL PRIM PM 820 UVT is available in<ul style="list-style-type: none">○ Bottle of 1 PC
Storage and shelf life	<p>When stored in its original packaging:</p> <p>BLUESIL PRIM PM 820 may be stored at temperatures between 5°C / 41°F and 30°C / 86°F for up to 12 months from its date of manufacturing.</p> <p>BLUESIL PRIM PM 820 UVT may be stored at temperatures between 5°C / 41°F and 30°C / 86°F for up to 12 months from its date of manufacturing.</p> <p>Comply with the storage instructions and expiration date marked on the packaging. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.</p>
Safety	<p>Please consult the Safety Data Sheet of:</p> <p>BLUESIL PRIM PM 820 and BLUESIL PRIM PM 820 UVT</p>

Visit our website www.silicones.elkem.com

Warning to the users

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. ELKEM SILICONES guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for given use. Determination of the suitability of product for the uses and applications contemplated by users and others shall be the sole responsibility of users. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations. Users are requested to check that they are in possession of the latest version of this document and ELKEM SILICONES is at their disposal to supply any additional information.