BLUESIL PRIM PM 811 A&B / PM 812 A&B

Description

BLUESIL PRIM PM 811 A&B and **BLUESIL PRIM PM 812 A&B** are two component bonding agents to improve the adhesion of silicones to various substrates in combination with BLUESIL PRIM PM 820 (UVT).
The primers are supplied as low viscous solutions of the active ingredients.

Examples of applications

Adhering Pt catalysed silicones onto various substrates such as:

- Aluminium and other metals.
- Reinforced epoxy resins, polyurethane and other polymers.

Key benefits

- Quick processing due to high volatility.
- Highest performance adhesion in combination with BLUESIL PRIM PM 820 (UVT).

Typical properties

Properties	BLUESIL PRIM PM 811		BLUESIL PRIM PM 812	
	A	B	A	B
Contains	Pt catalyst	SiH crosslinker	Pt catalyst	SiH crosslinker
Appearance	Low viscous liquids			
Colour	Translucent	Transparent	Translucent	Transparent
Density *(At 23°C, g/cm3, approx.)*	0.77	0.68	0.77	0.71
Viscosity *(At 23°C, mPa·s, approx.)*	1	1	1	1
Non-volatile content *(wt.-%, approx.)*	25	8	25	12
Boiling point *(°C, approx.)*	100	60	100	100
Solvent	Aliphatic hydrocarbon			

Mixing Ratio A : B, parts by weight	10 :1	10:1	10 : 1	10:1
Pot life *(At 23°C, mPa·s, approx.)*	> 3 days	> 3 days	> 3 hours	> 3 days

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

1. <u>Working conditions</u>

Primers are highly flammable liquids! Ensure to work in a well-ventilated work space free of any source of ignition.

The working temperature should range between 5°C and 30 °C. Higher temperatures will cause a very fast evaporation and thus lead to irregular layers of the primer.

In order to avoid premature reaction of the primer it is recommended to fill only small amounts into a small beaker and re-seal the bottle immediately.

<u>2. Preparation of the substrate</u>

The substrate must be clean, dry and free from grease. It is recommended to clean the surface with acetone. Roughening or structuring the surface will improve the adhesion.

BLUESIL PRIM PM 811 A&B / PM 812 A&B

3. Application of primers

All primer components have to be stirred thoroughly before using.

The primers should be applied as a very thin film using a soft brush or a lint-free cloth. A coat weight of 30 – 60 g/m² is recommended depending on the roughness and absorbency of the ground.

In a first step a thin coating of BLUESIL PRIM PM 820 (UVT) has to be applied by brushing or spraying. The film should dry for about 30 min at 23°C.

The components of **BLUESIL PRIM PM 811** and **BLUESIL PRIM PM 812** are mixed in a ratio of A : B = 10 : 1.
A thin coating of the mixture is brushed on the surface. The film should dry again for at least 30 min at 23 °C.

4. Application of the adherent

Apply the silicone elastomer mixture soon after the primer treatment and vulcanise it as recommended in the respective Technical Data Sheets.

Regulation	Please consult your local ELKEM SILICONES sales office.
Limitations	Please consult your local ELKEM SILICONES sales office.

Packaging	• BLUESIL PRIM PM 811 A is available in
	  ○ Piece of 0.6 KG (1.32 LB)
	  ○ Pail of 20 KG (44.1 LB)
	• BLUESIL PRIM PM 811 B is available in
	  ○ Piece of 0.06 KG (0.13 LB)
	• BLUESIL PRIM PM 812 A is available in
	  ○ Piece of 0.6 KG (1.32 LB)
	• BLUESIL PRIM PM 812 B is available in
	  ○ Piece of 0.06 KG (0.13 LB)

Storage and shelf life	When stored in its original packaging: BLUESIL PRIM PM 811 A may be stored at temperatures between -10°C / 14°F and 30°C / 86°F for up to 12 months from its date of manufacturing. BLUESIL PRIM PM 811 B may be stored at temperatures between -10°C / 14°F and 30°C / 86°F for up to 12 months from its date of manufacturing. BLUESIL PRIM PM 812 A may be stored at temperatures between -10°C / 14°F and 30°C / 86°F for up to 12 months from its date of manufacturing. BLUESIL PRIM PM 812 B may be stored at temperatures between -10°C / 14°F and 30°C / 86°F for up to 12 months from its date of manufacturing. 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.
Safety	Please consult the Safety Data Sheet of: BLUESIL PRIM PM 811 A, BLUESIL PRIM PM 811 B, BLUESIL PRIM PM 812 A and BLUESIL PRIM PM 812 B

BLUESIL PRIM PM 811 A&B / PM 812 A&B