

WACKER® PRIMER AV A/B

Primer for silicone rubber

Two-component primer to promote the adhesion between wood or aluminium and room temperature curing rubber.

Properties

- low solvent content
- straightforward processing
- excellent adhesion
- short drying time

Technical data

Properties Uncured

Property	Condition	A	B	Method
Appearance	-	clear, yellowish	clear, colorless	-
Density	-	0.99	0.96	-
Mix ratio	-	2 pbw	1 pbw	-
Pot life ⁽¹⁾	-	8	-	-
Viscosity, dynamic	-	-	100	ISO 3219
Viscosity, kinematic	-	4.9	-	-

¹of mixture A/B

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Application details

Application

Bonding agent used with RTV-2 silicone rubbers, preferably addition-curing from, among others, the ELASTOSIL® M and ELASTOSIL® RT ranges to achieve adhesion to metallic and non-metallic substrates.

Even silicone rubber formulations modified with large amounts of silicone fluid, of the kind commonly used for making printing pads, will develop excellent adhesion to aluminium or plywood carrier plates when WACKER Primer AV is used.

Processing

Preparing the surface

Surfaces to be primed should be dry and free from grease, oil or other contaminants. The surface should first be cleaned with a non-polar solvent such as mineral spirits (at a boiling range of 80°C up to 140°C), followed by a polar solvent, preferably acetone. Loose particles must be removed and very smooth surfaces should be roughened by grinding.

Mixing

To obtain a ready to use mixture, the components **A** and **B** have to be mixed in the ratio **2:1**.

Due to the low viscosity of the components this may be achieved by a simple shaking the closed mixing vessel.

The mixture has a pot life of about 8 hours. After that time a proper adhesion might not be guaranteed.

Therefore it is important only to mix that much amount which is possible to be processed in that time frame.

Caution!

The mixture of A and B will release hydrogen gas. Therefore it is imperative

never to close the mixing vessel tightly.

Applying the primer

The primer is best applied with a brush, although dipping or spraying can be used. On relatively smooth, non absorbent surfaces such as aluminum the primer should be applied as thinly as possible and free of air bubbles.

On very rough or absorbent surfaces, such as plywood the coating should be applied quite liberally.

The reaction time of the primer film is at least 15 minutes at ambient temperature (relative atmospheric humidity must be at least 40% and should be monitored using a hygrometer).

The catalyzed silicone rubber should be applied to the primer coat immediately after the drying process, if possible, but at the latest after 24 hours since otherwise a drop in adhesive strength may occur.

Processing

Processing

Preparing the surface

Surfaces to be primed should be dry and free from grease, oil or other contaminants. The surface should first be cleaned with a non-polar solvent such as mineral spirits (at a boiling range of 80°C up to 140°C), followed by a polar solvent, preferably acetone. Loose particles must be removed and very smooth surfaces should be roughened by grinding.

Mixing

To obtain a ready to use mixture, the components **A** and **B** have to be mixed in the ratio **2:1**.

Due to the low viscosity of the components this may be achieved by a simple shaking the closed mixing vessel.

The mixture has a pot life of about 8 hours. After that time a proper adhesion might not be guaranteed.

Therefore it is important only to mix that much amount which is possible to be processed in that time frame.

Caution!

The mixture of A and B will release hydrogen gas. Therefore it is imperative

never to close the mixing vessel tightly.

Applying the primer

The primer is best applied with a brush, although dipping or spraying can be used. On relatively smooth, non absorbent surfaces such as aluminum the primer should be applied as thinly as possible and free of air bubbles.

On very rough or absorbent surfaces, such as plywood the coating should be applied quite liberally.

The reaction time of the primer film is at least 15 minutes at ambient temperature (relative atmospheric humidity must be at least 40% and should be monitored using a hygrometer).

The catalyzed silicone rubber should be applied to the primer coat immediately after the drying process, if possible, but at the latest after 24 hours since otherwise a drop in adhesive strength may occur.

Packaging and storage

Storage

Components A and B of Primer AV are best stored between 5°C and 30°C in the tightly closed original container.

The "Best use before end" date of each batch appears on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable.

In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Caution!

Component B of Primer AV may develop gas or hydrogen containing oligomers in the presence of certain substances. Please adhere to the safety data sheet.

The mixture of A and B will hydrogen gas. Therefore do not close the mixing vessel tightly.
Detailed safety information is contained in each Material Safety Data Sheet.

QR Code WACKER® PRIMER AV A/B



For technical, quality or product safety questions, please contact:

Wacker Chemie AG, Hanns-Seidel-Platz 4, 81737 Munich, Germany
info@wacker.com, www.wacker.com

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.