

# WACKER Primer G 790

Silicone Primer

## Characteristics

WACKER Primer G 790 is a solution of various reactive siloxanes and silicone resins in a mixture of isoalkanes.

After the solvent has evaporated, a rigid film of silicone resin is formed on exposure to atmospheric humidity at ambient or elevated temperature and firmly adheres to the substrate. The catalysed silicone rubber applied on top will then form a tight bond to this resin film during vulcanization.

The catalyzed silicone rubber should be applied to the primer coat immediately after the drying or heating process, if possible, but at the latest after 5 hours since otherwise a drop in adhesive strength may occur.

Once opened, containers of WACKER Primer G 790 should be kept well sealed and stored in a cool and dry place.

## Applications

Bonding agent preferably used with addition-curing silicone rubbers from RTV-2 and LSR to achieve adhesion to metallic and non-metallic substrates.

## Processing

Surfaces to be primed should be dry and free from grease, oil or other contaminants. White spirit and / or acetone may be used for cleaning the surface. Loose particles must be removed and very smooth surfaces should preferably be roughened. The primer is best applied with a brush, although dipping or spraying are also possible. In any case, the primer film should be applied as thinly as possible and free of air bubbles.

The reaction time of the primer film is at least 1 hour at ambient temperature (relative atmospheric humidity must be at least 40 % and should be monitored using a hygrometer) or 10 minutes at 120 – 150 °C.

## Product data

| Property                          | Test method | Unit                 | Value                 |
|-----------------------------------|-------------|----------------------|-----------------------|
| Color                             |             |                      | Clear, yellowish      |
| Active substance content, approx. |             | [wt %]               | 17                    |
| Viscosity at 23 °C                | ISO 3219    | [mm <sup>2</sup> /s] | 2                     |
| Specific gravity at 23 °C         | ISO 2781    | [g/cm <sup>3</sup> ] | 0.76                  |
| Solvents                          |             |                      | Aliphatic hydrocarbon |
| Flash point                       | DIN 51755   | [°C]                 | +9                    |
| Ignition temperature              | DIN 51794   | [°C]                 | 420                   |

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

## Storage

Primer G 790 has a shelf life of at least 6 months when stored between 5 °C and 25 °C in the tightly closed original container protected against moisture. 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 information

Due to its high content of aliphatic hydrocarbons, WACKER Primer G 790 is subject to the same safety regulations as these, i. e., it is flammable liquid (flash point 9 °C). Appropriate precautions are an absolute must.

Detailed safety information is contained in each Material Safety Data Sheet, which can be obtained from our sales offices.

## Additional information

Please contact your nearest WACKER subsidiary.

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The data presented in this leaflet 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 leaflet 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 recommendations do 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 products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001. The Business Unit Elastomers of the Division Silicones is ISO TS 16949 certified.

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

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