

WACKER® Thixotropic Additive C and Stabilizer 43

RTV-2 Silicone Rubber / Mold Making

Characteristics

Both additives are used to thicken or render non-sag those grades of the ELASTOSIL® M "45.." and "46.." high-strength series which are flowable as supplied. The effect is such that, when - for example - a skin mold is being made, the silicone rubber can be applied even to inclined or vertical surfaces by brush or spatula without flowing off or sagging.

The more additive added to the rubber mass, the thicker the mass becomes. Thus, the whole range of thixotropic states can be attained, including the fully non-sag state.

WACKER® Thixotropic Additive C is a yellowish, medium-viscosity liquid with a slightly pungent odor.

It is **exclusively** used to thicken those **condensation-curing** RTV-2 silicone rubber grades of the ELASTOSIL® M 45XX series which are flowable as supplied.

Stabilizer 43 is a colorless, cloudy, medium-viscosity liquid with a faint odor.

It is **exclusively** used to thicken those **addition-curing** RTV-2 silicone rubber grades of the ELASTOSIL® M 46XX series which are flowable as supplied.

Processing

Addition of 0.5 - 2 wt % of WACKER® Thixotropic Additive C or 0.1 - 0.5 wt % of Stabilizer 43 (the exact proportion depending on the grade of rubber) confers excellent non-sag properties on the catalyzed mix, at least for layers of up to 10 mm thickness, when applied to vertical surfaces.

Dosage (in terms of the rubber)

WACKER® Thixotropic Additive C	[wt %]	0.5 – 2.0
Stabilizer 43	[wt %]	0.1 – 0.5

We recommend the following procedure for mixing in the additive as homogeneously as possible:

- 1. Weigh out the silicone rubber base or Component A**
- 2. Add the required proportion of Catalyst or Component B**
- 3. Mix the mass thoroughly**
- 4. Weigh out and add the additive**
- 5. Mix the mass thoroughly**

When small quantities of silicone rubber are processed, the additive is best added via a disposable pipette (20 drops ≈ 1 g).

Storage

WACKER® Thixotropic Additive C and Stabilizer 43 should be 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 information

WACKER® Thixotropic Additive C has a slight odor of ammonia. However, as only a very small proportion of it has to be added to achieve excellent non-sag performance, the odor of the ready-to-use rubber mass will not be unpleasant.

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

Additional information

Please visit our website www.wacker.com

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



is a registered trademark of Wacker Chemie AG.

Version 1.00 from 19-02-13

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

Wacker Chemie AG
WACKER-SILICONES
Hanns-Seidel-Platz 4
D-81737 Munich, Germany

www.wacker.com
silicones@wacker.com