

# THIXOTROPIC M STABILIZER 43

## WACKER RTV-2 THICKENING ADDITIVES

### CHARACTERISTICS

Both additives are used to thicken or render non-sag those grade of the ELASTOSIL® M"45.." and M"46.." high strength series which are flowable as supplied. The effect is such that, when – for example – a skin mould 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.

**THIXOTROPIC ADDITIVE M** is a colourless, cloudy, medium viscosity liquid with a slightly pungent odour. It is exclusively used to thicken those **condensation-curing** RTV-2 silicone rubber grades of the **ELASTOSIL® M"45.."** series which are flowable as supplied. Thixotropic M is also the thickener of choice for Barnes Budget 25 RTV-2.

**STABILIZER 43** is a colourless, cloudy, medium viscosity liquid with a faint odour. It is exclusively used to thicken those **addition-curing** RTV-2 silicone rubber grades of the **ELASTOSIL® M"46.."** series which are flowable as supplied.

**Important** – During prolonged storage of Thixotropic Additive M, partial separation of active substance and extending fluid may occur. To ensure that the material is perfectly homogenous, shake the bottle or stir the contents vigorously before use.

### *Processing / Dosage – In terms of the rubber*

Thixotropic Additive M	[wt %]	0.5 – 2.0
Stabilizer 43	[wt %]	0.1 – 0.5

Addition of 1-2 wt% of Thixotropic Additive M or 0.3-0.5 wt% Stabilizer 43 (the exact proportion depending on the grade of rubber) confers excellent non-sag properties on the catalysed mix, at least for layers of up to 10mm thickness, when applied to vertical surfaces.

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

1. Weigh out the silicone rubber base or Part A
2. Add the required proportion of catalyst or Part B
3. Mix the mass thoroughly
4. Weigh out and add the additive (shake or stir Thixotropic M vigorously before adding the required amount to the rubber mass)
5. Mix the mass thoroughly

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

### STORAGE

Thixotropic Additive M and Stabilizer 43 have a shelf life of at least 12 months in the sealed container between 5°C and 30°C. If the material is kept beyond 12 months it is not necessarily unusable, but a test should be performed on the product to check suitability to the application.

Further information on processing silicone can be found in the Wacker leaflet "Processing RTV-2 Silicone Rubbers". Check with your Barnes Representative for a copy of this leaflet.

Available Pack Sizes (Thixotropic M): 50gm, 100gm, 500gm, 1kg, 5kg  
(Stabilizer 43): 100gm, 500gm

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The data presented in this bulletin are in accordance with the present state of our knowledge, and does 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. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the product for a particular purpose.

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