

## TECHNICAL DATA SHEET

### PRODUCT: THIXOTROPIC ADDITIVE FOR ADDITION CURE SILICONE

**DESCRIPTION** Special thixotropic additive for our Addition Cure Silicone Rubber used to increase the thixotropy of the rubber in its liquid state making it possible to brush apply the silicone even onto vertical surfaces.

Ideal for taking silicone moulds off original pieces 'in situ' (such as architectural features) and for creating re-usable silicone bags for vacuum bagging.

**METHOD OF USE** RTV silicone rubber can be used to take a dimensionally accurate and highly detailed mould of any architectural feature, in situ, in order to create identical copies of the original feature.

For overhead mouldings or mouldings where constructing an enclosure is not practical Thixotropic Additive can be added to the silicone to make it very thick and 'clingy' allowing it to be brushes directly onto the surface to be moulded. When applying the silicone in this way accelerator should also be used to ensure that each application of the silicone can partially cure before the next application is made, aiming to build up around 1cm in thickness. Always apply subsequent layers before the previous layer has fully cured to ensure best inter-layer strength.

For application in this way, mix with our Addition Cure Silicone Rubber at between 1 and 3%, depending on how thixotropic you want the silicone to be. Mix thoroughly *before* adding the catalyst. Mix the catalyst in thoroughly and then apply directly onto the moulding using a brush with a stippling action at first to ensure that the silicone makes contact with all the detail and crevices of the moulding.

Once cured, the silicone can be peeled off the moulding but will need to be supported (often using a fibreglass jacket) in order to preserve its shape.

**STORAGE** Thixotropic Additive should be stored in original, unopened containers between 15 and 25°C. KEEP THE PACKING TIGHTLY SEALED WHEN NOT IN USE.

If stored under the above conditions, Thixotropic Additive will have a shelf life of 12 months, from the date of production.

This data is not to be used for specifications. Values listed are for typical properties and should not be considered minimum or maximum.

Our technical advice, whether verbal or in writing, is given in good faith but Easy Composites Ltd gives no warranty; express or implied, and all products are sold upon condition that purchasers will make their own tests to determine the quality and suitability of the product for their particular application and circumstances.

Easy Composites Ltd shall be in no way responsible for the proper use and service of the product, nor for the safeguarding of personnel or property, all of which is the duty of the user. Any information or suggestions are without warranty of any kind and purchasers are solely responsible for any loss arising from the use of such information or suggestions. No information or suggestions given by us shall be deemed to be a recommendation to use any product in conflict with any existing patent rights.

Before using any of our products, users should familiarise themselves with the relevant Technical and MSDS provided by Easy Composites Ltd.

