

EurikaThix 5090

EURIKATHIX 5090 is one of a range of fine free flowing wax additives intended for use as a rheological additive in mastics, adhesives and in particular those based upon cross-linkable polyether-silanes. The additive increases the yield value of compositions preventing sedimentation of filler constituents in storage. In addition, it imparts both pseudoplastic flow behavior and thixotropy such that the viscosity at high shear rates is lower thereby helping with the flow properties of the composition during application.

EurikaThix 5090 is incorporated in compositions typically using a vacuum capable planetary mixer equipped with a high speed dissolver disc and wall scraper at a temperature of $>60^{\circ}\text{C}$ and no more than about 90°C for a minimum duration of 30 minutes in order to activate its rheological additive properties. When the batch is cooled to $< 50^{\circ}\text{C}$ other ingredients such as bonding agents and catalysts are added. Following these additions, the composition is preferably subjected to a short de-aeration and packed into cartridges.

Typical Properties

Specifications	
Particle Size D50	4 to 6 microns
Particle Size D90	< 30 microns
Melting Point	124°C - 128°C
Other information	
Recommended Addition Level	0,5 to 2,5 %

