PRODUCT DESCRIPTION
Thixo Agent AC is an additive for addition cure, silicone elastomers that are silica filled. When used at 0.5 % level this additive creates excellent thixotropic properties. Thixo Agent AC, when used with silica filled, platinum cured, silicone elastomers will cause the material to exhibit non-slump behavior at a thickness of ~ 0.5”. This additive will not change the cured properties of the addition cure material. The cured rubber has outstanding mechanical properties and good shelf-life stability.

KEY FEATURES
• Non-slump to ~ 0.5"
• Does not affect cure times
• Can vary thixotrophy as needed

For use with silica filled, addition cure silicone elastomers

MAIN APPLICATIONS
• Spray applications
• Glob-top
• Glove molding
• Lay-up molding

TYPICAL PROPERTIES

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>Thixo Agent AC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Viscous liquid</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.00</td>
</tr>
<tr>
<td>Viscosity</td>
<td>500 cps</td>
</tr>
</tbody>
</table>

Recommended mix ratio ~ 0.5%.

CURED PROPERTIES
See individual data sheet addition cure products.

CURE CHARACTERISTICS
Thixo Agent AC will not affect the cure rate of the addition cure material is used with. The curing process begins as soon as the catalyst is mixed with the base. The material will cure as described in the data above under normal temperature (25 °C) and humidity conditions (50% RH). Because this system is sensitive to heat and humidity, a change in cure speed may be observed if one or both of these variables are altered. A large difference in temperature (+/- 5 °C) or humidity (>60% – 70%) may alter the cure profile of the material.
MIXING
QSi recommends that the catalyzed material be tested on a small area of the mold prior to use.

Thixo Agent AC should be added at 0.5% by weight to the material to be modified. Material should be mixed in a clean, compatible metal or plastic container. The volume of the container should be 3 – 4 times the volume of the material to be mixed. This allows for expansion of the siloxane material as it de-aeration.

Mix thoroughly by hand or with mixing equipment while minimizing air entrapment until a homogeneous mixture is obtained. This will occur when the material takes on a uniform color with no visible striations. The material should stand for 2 – 3 minutes for the effect of the thixo agent to be realized.

DE-AERATION
Air trapped during mixing should be removed by vacuum at 29 inches of mercury. During the process, the material will expand, and intermittent evacuation may be required. Typically, after releasing the vacuum 2 – 3 times, the mass will collapse on itself at which time the vacuum should be left on for an additional 2 – 4 minutes.

STORAGE AND SHELF LIFE
This product is best when used within 24 months from date of manufacture. See product label and/or CoA for specific “Use By Date”.

Product should be stored in its original, unopened container in an environment that does not exceed 38 °C (100 °F).

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case, the properties required for the intended use should be checked for quality assurance reasons.

DISCLAIMER
The technical data listed is provided for reference only and is not intended as product specifications. CHT USA’s team accepts opportunities to either modify specifications in a current product or custom formulate a new one to meet your requirements. For sales and technical assistance, please contact us at: (804) 271-9010 or 1-800-852-3147.

Please be sure to visit our website daily for our complete product portfolio, new product introductions and more:

www.silicone-experts.cht.com
www.quantumsilicones.com

CHT USA - Richmond, 7820 Whitepine Road, Richmond, VA 23237
Manufacturing and R&D Facility, 8021 Reycan Road, Richmond, VA 23237