

Technical Data Sheet

QSi DBT Tin Catalyst Accelerator

QSi DBT is used with condensation cure materials to increase the cure speed.

KEY FEATURES

- Variable cure speed
- Fast cure

MAIN APPLICATIONS

- Condensation cure materials

TYPICAL PROPERTIES

UNCATALYZED	
TEST	QSi DBT
Appearance	Clear/light yellow
Viscosity	N/A
Specific Gravity	1.04

CATALYZED			
MIX RATIO 100 : 0.5 by weight			
PROPERTY	QSi 40	QSi 58	QSi 60
Gel time at 25°C *	100 minutes	90 minutes	90 minutes
Tack free time	4 hours	N/A	N/A
Durometer, 24 hour	N/A	58	58
Specific gravity	N/A	1.49	1.48

* Gel time is defined as the time required for the material to become a solid or a semi-solid.

MIXING

The appropriate base should be catalyzed by weight with the appropriate amount of curing agent. A concentration of 0.5 % DBT Catalyst will provide a cure time of 24 hours. Cure speed can be accelerated by adding QSi DBT in increments of 0.1 %.

Material should be mixed in a clean, compatible metal or plastic container. The volume of the container should be 4 – 5 times the volume of the material to be catalyzed. Thoroughly mix using clean tools, scraping the bottom and the side of the container to produce a homogeneous mixture.

DE-AERATION

Air trapped during mixing should be removed to eliminate voids in the cured product. Vacuum de-airing may be necessary to completely remove all entrapped air bubbles. To ensure proper de-airing, subject the mixed material to 29 inches of mercury. .

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. QSi has the capability to customize products as requested. For sales and technical assistance please contact customer service at **(804) 271-9010** or **1-800-852-3147**.

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