

**INDUSTRY  
SOLUTIONS.**

**Material  
Solutions.**

**CHT**

**SMART CHEMISTRY  
WITH CHARACTER.**

 **Chemical  
Concepts**<sup>™</sup>  
Our expertise is your solution.  
[chemical-concepts.com](http://chemical-concepts.com)  
**800.220.1966**  
410 Pike Road • Huntingdon Valley, PA 19006

# **SILICONE TECHNOLOGY FOR ARCHITECTURAL APPLICATIONS**

**LIQUID SILICONES WITH CUSTOMIZABLE PHYSICAL  
PROPERTIES FOR UNIQUE APPLICATIONS**



## ARCHITECTURAL

Many different architectural elements can be created or restored by using CHT's moldmaking silicones to create molds of wood, columns, cornices, and pavers. A wide variety of faux wall surfaces, like stone and brick can be made by using silicone molds. These silicones feature high tear strengths that contribute to the durability of the mold.

### Benefits of CHT's Silicone Technology

- ▶ Long work life
- ▶ Fast demold time
- ▶ Multiple catalysts available for a variety of cure times
- ▶ Thixotropic additives available to obtain a brushable silicone
- ▶ Excellent tensile and tear strength for durability when demolding



Our team focuses on building strong relationships and asking you important questions to pinpoint and recommend optimal silicone technology for your application.

Finding the right product for your application is not limited to CHT's product portfolio. Our technologists accept opportunities to either modify specifications in an existing product or will custom formulate a new product to meet your exact requirements.

What silicone technology can CHT develop for you?



#### Do you need technical support?

Please contact us for additional technical information, product pricing, and packaging options.

## Moldmaking Materials for Architectural Applications

Product	Mix Ratio	Cure Type <sup>2</sup>	Catalyzed Color	Durometer <sup>1</sup>	Viscosity <sup>1</sup>	Work Life @ 25C <sup>1</sup>
QM 128	10:1	Condensation	Light Purple	28, Shore A	30,000 cps	35 mins
QM 132T	10:1	Condensation	Translucent Purple	30, Shore A	50,000 cps	30 mins
QM 2128	10:1	Condensation	Light Purple	28, Shore A	35,000 cps	60 mins
QM 2225	10:1	Condensation	Light Purple	25, Shore A	32,700 cps	90 mins
QM 230	10:1	Addition	Blue	33, Shore A	10,000 cps	30 mins
QM 245	10:1	Addition	Red	45, Shore A	30,000 cps	42 mins

#### <sup>1</sup>Typical properties

<sup>2</sup>Condensation cure silicones typically use a tin based catalyst system.

The standard catalyst for both QM 128 and QM 132T is QM Cat Purple.

The standard catalyst for both QM 2128 and QM 2225 is Moldmaster Cat Purple.

Styrene resistant catalysts are also available for CHT's condensation cure silicones, increasing productivity when casting styrene based resins.

<sup>2</sup>Addition cure silicones typically use a platinum based catalyst system. CHT's addition cure silicones are two components that are kit matched.

Moldmaking tip: CHT's moldmaking silicones are designed to easily release from the model being replicated. However, CHT's technologists recommend applying a mold release, such as a teflon based spray, or petroleum jelly as an inexpensive alternative.

## CLOSE TO OUR CUSTOMERS

Head Quarters | CHT Germany GMBH



- Production Sites
- Sales Offices

**QUALITY | SERVICE | INNOVATION**

**WE TAKE PRIDE IN SERVING YOU**

- ▶ Take advantage of consulting one on one with our sales and technology team.
- ▶ CHT demonstrates a distinctive flexibility, whether it's modifying existing product specifications or developing a new product specifically designed for your unique application.
- ▶ Our worldwide distributor network provides local inventory, which means reduced transit times and lower shipping costs for you.
- ▶ Rely on our prompt, product development time.
- ▶ Our team welcomes your feedback because we are always striving to make innovative improvements.

CHT is committed to providing you with superior service and the highest quality silicone products available. Our certification to the ISO 9001 standard ensures that we are always working towards continual improvement in every way.

We also have a stringent product testing protocol that uses ASTM standard test methods. Based on your specifications, products must meet certain criteria throughout production and prior to its release. A Certificate of Analysis will accompany every shipment you receive.



 [material@cht.com](mailto:material@cht.com)

 [linkedin.com/showcase/cht-silicone-experts](https://www.linkedin.com/showcase/cht-silicone-experts)

To view CHT's complete product portfolio or to request product samples, please visit [www.silicone-experts.cht.com](http://www.silicone-experts.cht.com)

**CALL US TOLL-FREE TODAY**

**Phone: 1-800-852-3147**

**CHT**  
SMART CHEMISTRY  
WITH CHARACTER.

[www.cht.com](http://www.cht.com)