

MM CAT W Catalyst

Description

The MM catalysts are specially formulated for use with the MM900 series and MM800 series moulding rubbers. They offer the end user a greater flexibility to meet the requirements of the application and give some unique additional properties to products in the MM900 and MM800 series.
MM VEI NT catalysts offer the end user a less hazardous option and improved resistance to inhibition from moulding clays and polyurethane casting resins in comparison to catalysts based on dibutyltin dilaurate.

Key Features

- Booster to accelerate curing in low temperature / humidity conditions
- Must be used in addition to standard cure speed MM catalyst

Application

Catalyst for condensation cure moulding rubbers

Use and Cure Information

The curing process starts as soon as the catalyst is added to the MM900 series or MM800 series rubber base. Under normal conditions of temperature and humidity, typical curing characteristics are described below. If the product is to be used in contact with aggressive chemicals, such as high styrene polyester resins or epoxies, it is recommended that the rubber be allowed to cure for 48 hours before use.

How to Use

Charge 95-100 parts by weight of MM900 series or MM800 series and the relevant parts by weight of catalyst into a suitable plastic or metal container. The volume of the mixing vessel should be sufficient to allow for rapid expansion, which takes place during the initial degassing of the catalysed rubber. Mix thoroughly avoiding excessive air entrapment but using the colour contrast to achieve homogeneity (where applicable) Stop

the mixer and scrape the vessel walls a few times. To prevent imperfections due to bubbles in the cured rubber, it is advisable to de-aerate the liquid rubber by using intermittent evacuation for a few minutes. Normally after releasing the vacuum 2 or 3 times, the mass collapses naturally after which degassing should continue for only a few minutes.

It is absolutely important to check the compatibility in preliminary tests if unknown substrates are used.

General Properties

MM Catalyst	Characteristic
CAT B5 NT	Blue, standard cure, less hazardous
CAT R5 NT	Red, fast cure, less hazardous.
CAT L6W NT	Colourless, standard cure, less hazardous
Cat W	Booster to accelerate cure
CAT L5 NT	Colourless, long pot life, leather application
CAT VE NT	Various colours, standard cure, shoe sole moulds
CAT VEI NT	Green, fast cure, shoe sole moulds.

The content set out in the technical data sheet does not contain information upon which you should rely. It is provided for general information purposes only and does not constitute a product specification. You must obtain professional or specialist advice before taking any action based on the information provided in the technical data sheet.

CHT make reasonable efforts to ensure that information set out in the technical data sheet is complete, accurate, and up-to-date. CHT do not, however, make any representations, warranties or guarantees (whether express or implied) that information set out in the technical data sheet is complete, accurate, or up-to-date or that the product will be suitable for your requirements. You should carry out your own testing to determine the applicability of such information and whether the product will be suitable. CHT reserve the right to modify the technical data sheet at any time. The CHT technical service department is available to offer further information and advice and should it be needed to look at modifying current products or custom formulate a new one to meet your specific requirements. Please contact the technical service department.

CHT Germany GmbH: Postfach 12 80, 72002 Tübingen, Bismarckstraße 102, 72072 Tübingen, Germany
Telephone: 07071/154-0, Fax: 07071/154-290, Email: info@cht.com, Homepage: www.cht.com / www.cht-silicones.com

Typical Curing Properties (At 23 +/- 2°C and 45 to 55% relative humidity)			
MM Catalyst	Addition Level	Pot Life (min.)	Demould Time (h)
B5 NT	5	>45	<24
R5 NT	5	15 bis 45	<3
L6WNT	5	>45	<24
CAT W*	1	15 bis 30	1 bis 2
CAT L5 NT	5	>60	<24
CAT VE NT	5	>20	<3
CAT VEI NT	5	5 bis 20	<1,5

* must be used in addition to standard cure speed MM catalyst.

Health & Safety

Safety

Please observe our safety data sheets and the safety remarks on our container labels when handling our products. The dangerous goods regulations and the accident prevention regulations of the professional associations must be particularly observed. Keep the safety data sheet of the applied product at hand since it provides you with useful instructions for the safe use and disposal of the product as well as for actions to be taken in case of accidents.

Revision Date 22 Feb 2024
 Revision No 2
 Download Date 13 May 2024