TECHNICAL DATA SHEET

MM CAT R 5 NT
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

- Red colour
- Fast curing speed

Application

Catalyst for condensation cure moulding rubbers

Property	Test Method	Value
Uncured Product		
23 +/-2°C and 50 +/-5% humidity		
Appearance		**Liquid**
Color		**Red**
Cure Type		**Condensation**
De-mould Time / Full Cure at 23°C/73°F: hrs		**2 hrs**
Mix Ratio By Weight		**20:1**
Pot Life mins at 23°C/73°F		**15 mins**
Storage		
Max Storage Temperature		**40 °C / 104 °F**
Shelf Life		**12 mths**

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 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 and use 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 Product	Feature	Colour	Mixing ratio	Demould time [h]	Pot life [mins]
High tear catalyst (MM900 series)					
CAT B 5 NT	Standard cure	Blue	20:1	<24	>45
CAT L6W NT	Standard cure	Clear	20:1	<24	>45
CAT R 5 NT	Fast cure	Red	20:1	2	15
Low tear catalyst (MM800 series)					
CAT L6W NT	Standard cure, leather reproduction	Clear	20:1	<24	>45
CAT VEI INCOLORE NT	Fast cure, shoe sole moulds	Clear	20:1	2	15
Additive					
MM CAT W*	Booster to accelerate cure	Clear	100:1	1-2	15
MM TA2	Thixotropic agent	Clear	100:2	N/A	N/A

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

Health & 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.

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