

# CATALYST TC 44

Crosslinker/Catalyst

## Characteristics

CATALYST TC 44 is a liquid catalyst for SILRES® MSE 100.

## Properties

CATALYST TC 44 is sensitive to moisture and should be handled under a dry/inert atmosphere. It is used as a reactive crosslinker/catalyst for SILRES® MSE 100 in combination with moisture.

## Application

Coatings: CATALYST TC 44 shall be added to SILRES® MSE 100 based formulations, e.g. as ambient-temperature curing high-temperature resistant coatings.

SILRES® MSE 100 will start to cure when mixed with CATALYST TC 44 and contacted with humidity.

## Processing

CATALYST TC 44 should be mixed with SILRES® MSE 100 in amounts of 2 – 7 % by weight. The higher the amount of the catalyst, the faster the cure rate will be. Very high amounts of catalyst can lead to embrittlement of the cured resin. It is recommended to

determine the appropriate catalyst amount for the specific formulation by experiments.

## Storage Stability

CATALYST TC 44 has a shelf life of at least 12 months when stored between 0°C and 25°C in the tightly closed original container.

The „Best use before end“ date of each batch is shown on the product label.

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

## Packaging

- steel can 25 kg

## Safety Information

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

## Typical product data:

Properties	Unit	Value
Optical appearance		Bright yellow liquid
Refractive index	-	1,487 – 1,491

These figures are intended as a guide and should not be used in preparing specifications.

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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