

Technical Bulletin

CMR-613.W Crosslinker

Last Revision:

02.06.20



Version:

V-2020-001

1. Characteristic:

CMR-613.W is an isocyanate crosslinker, suitable for aqueous coating systems. The crosslinking process starts under humidity.

2. Applications:

The **CMR-613.W** is used for water based dispersions, especially for polyurethane and acrylic resins. It also improves the water and solvent resistances of the polymers as well the dry cleaning and laundering resistances.

3. Typical Data:

Basic:	isocyanate hardener
Colour:	clear liquid
Solids content:	65 - 70 %
Specific gravity/density (20 °C):	1.04 g/cm ³
pH value:	-
Viscosity at 20 °C (dynamic):	3000 mPa.s
Solvent system:	-

4. Recommendation for end-use:

The crosslinker is added up to the lacquer in a recommended concentration. Use a mechanical stirring unit in order to add up the hardener. Use propeller mixer with 500 to 2,000 turns per minute, for deaeration. Stirring only by hand is unsuitable to create a homogenous mixture. Stirring constantly while adding crosslinker slowly. Stir carefully for at least 5 min at moderate speed in order to avoid air intake. After stirring do not touch the mixture for 15 min. The processing time of the mixture depends very strongly on the environment temperature. It should lie between 18 °C and 30 °C. Areas of dried hardener can be cleaned with isopropyl alcohol (IPA).

Dried hardener can be removed with suitable polish remover.

Cleaning: Esters, Etheresters.

Our recommendation: CMR-914 Special Thinner.

Don't use nitro thinner!

Warning: Open containers should be closed tightly. Hardener reacts at humidity.

If the hardener has been touched by humidity, then a reduction of gloss will be the result.

5. Storage:

The product may be stored at least 6 months if kept in tightly closed container and below 35 °C.

Protect against cold.

Don't store and apply the product below +5 °C.

The crosslinking process starts under humidity.

6. Safety:

The Material Data Sheet informs on all data relevant to the safety of this product.

It contains information concerning classification, transport and storage of the product and also further information regarding handling, safety and ecology.

7. Further Information:

These information reflect our current state of the knowledge and they are intended to inform on our products and its application possibilities. They cannot deduce any legally binding guarantee regarding specific properties of the products or their suitability for definite applications. Also they do not release the user to make test of our products concerning its suitability for the planned applications.

Rights regarding trademarks and patents also will have to be observed.

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