

Treatment instructions for CMR primers (e.g. CMR-790)

General description:

CMR primers are self-crosslinking acrylate copolymers and serve as bonding agents or primers for difficult sublayers. The universal primers allow for subsequent printing with solvent- and UV-crosslinkable inks and provide printing images with brilliant colours by quickly stabilizing the pigment inks after printing.

Preparation and treatment:

Adherence to the following treatment instructions is required in order to achieve the optimal characteristics of the CMR primers. Every primer must be constantly stirred prior to treatment.

Application process:

The CMR primers can be applied using the usual methods. Industrial-mechanical application with anilox rolls or printing chamber coating knives is as viable as numerous manual processes (e. g. rollers, spraying, coating with a coating knife, or printing).

The sublayers to be coated must be properly pre-treated or carefully cleaned prior to application with CMR primers so that optimal and complete wetting of the sublayer and permanent adhesion of the primer can be achieved. All deposits that prevent adhesion (grease, silicon, oil, etc.) must be removed from the sublayers.

The primer's preparation time depends greatly on the ambient temperature. It should be between 18°C and 30°C. The relative humidity should not exceed 60%.

As with all CMR paint systems, the development of the individual characteristics is greatly dependent on the chemical composition of the respective sublayer (substrate and/or printing inks). Thus, we always recommend preliminary tests.

Use with micro sponge

The primers can be diluted as desired, depending on the application or required dry layer thickness. Application by wiping with a micro sponge (CMR-code 00210) has proven itself, in particular for primer on rigid sublayers.

Generally, CMR primers can be painted over once the surfaces have dried completely (after min. 12 hours). Any type of imperfections can thus be subsequently touched up.

Drying/hardening:

The CMR primers dry physically, i.e. the temperature level determines the duration required for complete film formation.

The paint film is dust-dry after a few minutes at room temperature (20-25°C). Forced drying between 60-80°C significantly shortens the process of surface drying and complete drying. In each case, sufficient air circulation improves drying conditions.

Cleaning the equipment:

All coating equipment should be cleaned immediately after the paint systems are prepared, as dried paint residues are no longer water-soluble. Normal lukewarm tap water can be used for cleaning. The addition of a lightly alkaline cleaning agent can have a positive effect on cleanability. Dried paint residues are only to be removed with suitable solvents.

Shelf life / storage stability:

The CMR paint systems keep for at least 6 months in closed original containers when stored in a cool place (low temperature change, average temperature between 10 and 25°C, no frost).

Open package should be used as quickly as possible. Airtight resealing of the container is absolutely necessary.

Mixing with water does not reduce the shelf life of the CMR primer.

Safety and warranty:

The safety datasheets for the respective CMR paint systems contain the relevant information regarding the necessary personal protective equipment (gloves, protective glasses, etc) and workplace hygiene. They also contain information on proper disposal of product remains.

Further and specific information on technical data and on the use of the respective paint systems must be followed! The application-related recommendations correspond to the current state of our knowledge. Thus, they are not intended to

ensure specific characteristics of products or their suitability for a concrete use. They also do not absolve the buyer or user from testing our products in terms of their suitability for the intended use. Any existing commercial trademark rights must be respected.