

25/06/2008

Re: **Application of MCU Products using QuickCure**

To: Whom it may concern,

QuickCure can be added to all MCU coatings.

The addition of QuickCure does not adversely affect the qualities of the MCU coatings. There is no loss of flexibility, adhesion, hardness or colour and gloss retention. The addition of QuickCure to a product will increase the gloss of the low gloss products.

The QuickCure is a proprietary blend and is a 100% solids product. It reduces the overcoat time by approximately 80% - 85%. It allows the coating to be applied in less than 6% humidity (which is the lower limit published in our data sheets). It also reduces the off gassing during the curing stage drastically. This reduces fumes and odors as well.

The concern for using QuickCure is to avoid using it in the primer coat when going direct to a damp surface. Once the prime coat has been applied then subsequent coats with QuickCure can be applied to the primer even in very humid conditions.

We hereby certify that all MUC Coatings can be applied in humidity's from 6% - 99% and can be immersed within 30 minutes in sweet or salt water, without detriment to the coating integrity or curing. Please contact Trident Coatings regarding what system is appropriate.

There is definitely **no** comparison that could be drawn between accelerating these MCU coatings and plural component epoxy for example.

While we are familiar with the standard Nace or ISO specifications, these apply to traditional plural component products, which are sensitive to excessive moisture and humidity. This does not apply to MCU coatings. The plural component epoxy or polyurethane products cure by chemical means by the mixing of two or more components, while the MCU is a single component product and actually uses moisture in the curing process.

Recoat times of MCU-Miomastic:

Temp	Humidity	Recoat without QuickCure	Recoat with QuickCure
50	06	5	0.3
50	50	2	0.3
50	99	2	0.3
20	06	7	0.5
20	50	4	0.5
20	99	4	0.5
-10	06	30	10
-10	50	24	10

At -10 99% RH is not possible so use the above calculation for all RH conditions.

The temperature used is Celsius. QuickCure accelerator is not necessary except if a faster cure is desirable. Please see QuickCure information sheet for technical information.

These times are for the dry film thickness at the recommended 75 microns, higher film thicknesses may require longer curing.