



INTERPLASTIC CORPORATION
Thermoset Resins Division

INTERPLASTIC CORPORATION

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November 28, 2007

Mr. Kaleel Rahaim
11014 Acanthus Lane
Houston, TX 77095

Dear Mr. Rahaim:

As requested, we have evaluated various levels of N,N-Dimethylaniline (DMA) in COR72-AT-470HT. This testing was done to evaluate the ambient cure gel profile of this product at the request of LMK Enterprises, Inc.

All testing was done with a lab-prepared batch of COR72-AT-470HT (B# 219-621). This batch of resin was divided into several sub-batches, each containing a specified level of DMA. The resin was then adjusted to the specified temperature in an eight-ounce cup and catalyzed with the appropriate amount of Perkadox CH-50. The catalyzed cup of resin was then placed in a 150-ml plastic beaker liner located in a water bath at the specified temperature, where it was allowed to gel. COR72-AT-470HT was evaluated with the following levels of DMA: 0.10%, 0.20%, 0.30%, and 0.40%. Each level of DMA was evaluated with 2.5% CH-50 and 4.0% CH-50 by weight at 50°F, 65°F, 77°F, and 90°F. Results are outlined in the following table and attached graphs:

Effect of DMA on the Gel Time of COR72-AT-470HT		
With 0.10% DMA		
	2.5% CH-50	4.0% CH-50
At 50°F (min:sec)	77:41	45:06
At 65°F (min:sec)	31:08	23:32
At 77°F (min:sec)	18:22	12:45
At 90°F (min:sec)	9:25	8:08
With 0.20% DMA		
	2.5% CH-50	4.0% CH-50
At 50°F (min:sec)	42:24	31:04
At 65°F (min:sec)	19:35	14:25
At 77°F (min:sec)	11:04	8:07
At 90°F (min:sec)	8:10	4:31
With 0.30% DMA		
	2.5% CH-50	4.0% CH-50
At 50°F (min:sec)	27:12	22:41
At 65°F (min:sec)	16:59	11:38
At 77°F (min:sec)	8:51	6:23
At 90°F (min:sec)	4:28	3:20
With 0.40% DMA		
	2.5% CH-50	4.0% CH-50
At 50°F (min:sec)	21:30	16:47
At 65°F (min:sec)	12:35	8:36
At 77°F (min:sec)	6:25	5:06
At 90°F (min:sec)	4:01	2:53

The information provided in this report should serve only as a guideline to determining an appropriate additive package. Low levels of catalyst or promoter can lead to incomplete cure, especially at low temperatures. It is recommended that customers evaluate the additive package before implementing it in their application.

If you have any questions regarding this information or need more information on any of our products in general, please call us.

Sincerely,

A handwritten signature in black ink, appearing to read "Jason Schiro". The signature is fluid and cursive, with the first name "Jason" being more prominent than the last name "Schiro".

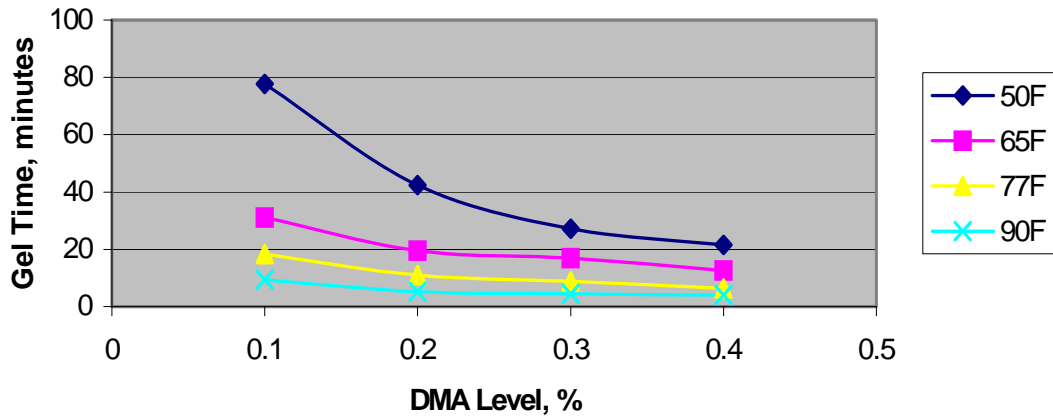
Jason Schiro, Senior Chemist
Corrosion and Specialty Resins

JDS:djh:alk

C: D Dana, D Herzog, T McCabe

LMK COR72-AT-470HT ambient cure Rahaim, K JDS 112807.doc

Effect of DMA on COR72-AT-470HT at Various Temperatures with 2.5% Perkadox CH-50



Effect of DMA on COR72-AT-470HT at Various Temperatures with 4.0% Perkadox CH-50

