

Johns-Manville

SEP 12 1974

Internal Correspondence

CGS
AME

To: L. J. Ciancia - 2 South Date: September 6, 1974
From: S. M. Quint - R&D
Copies: See Below
Subject: REDUCTION OF THF USAGE IN PERMASTRAN CORE COATING

Loh

We ran PVC/glass-epoxy test slabs concerning reduction of THF usage in PERMASTRAN core coating. Blendex 121 coating was used and the only variable was the weight ratio of THF to MEK. The results were as follows:

Coating	Tensile, Avg 4 (lb)	% Change	Standard Dev. (lb)
A. (Control) 50/50 THF/MEK	582	---	27
B. 40/60 THF/MEK	565	- 2.9%	19
C. 30/70 THF/MEK	540	- 7.2%	73
D. 20/80 THF/MEK	487	-16.3%	71



(Note: PVC slabs were pressed from Denison 8-inch core.)

The results indicate that optimum ratio may be 40/60 or 30/70 THF/MEK but that this ratio produces about a 3-7 percent bond strength drop.

Although THF is really tough to purchase, we probably shouldn't change the THF/MEK ratio at the present time but should keep in mind the reduction of THF usage for the future.

S. M. Quint
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cc:
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