

mitech news

Hello and welcome to the December 2023 edition of our News Letter

In this edition:

- Catalysts for paper impregnation



This notice is intended for lamination companies with paper impregnation lines.

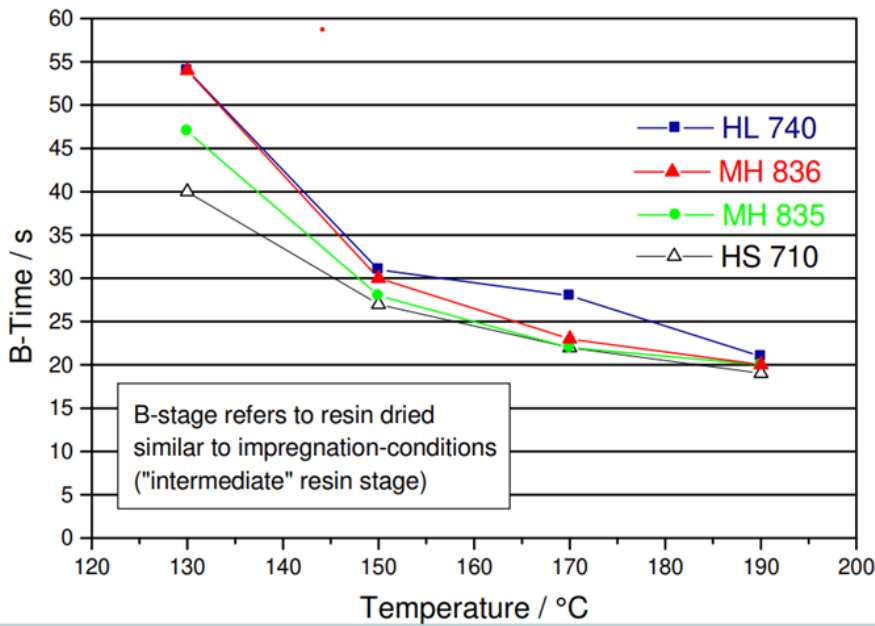
According to market information, BASF and some other companies are stopping their production of certain catalysts.

We would like to assure all customers that Wuerz catalysts have been extensively independently tested over many years and it can be demonstrated that Latent Catalyst PAT-HL740, and Standard Catalyst PAT-710 will safely substitute the related BASF products.

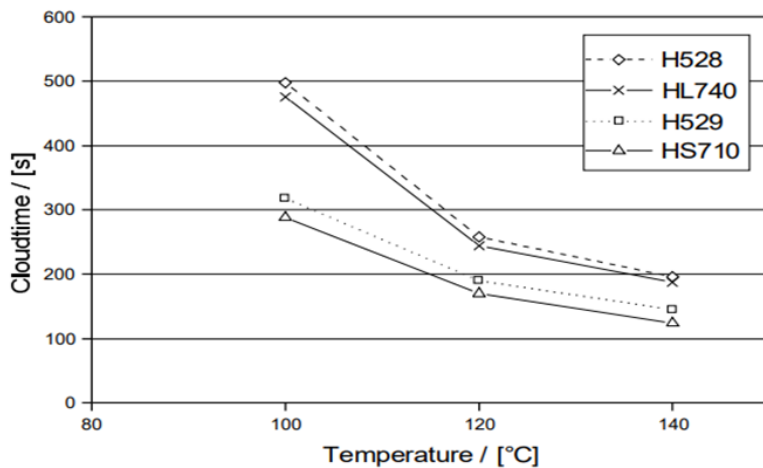
Please refer to the following curing curves produced by independent resin suppliers. The goal is to come as close as possible to those catalysts which are not available anymore.

Paper Impregnation resin catalyst comparisons

Prefere 70 0573L (MF-resin, 60%)
+ 0.5 wt% Catalyst



Cloudtime versus Temperature



nbH



www.atofina.de

We look forward to receive your inquiries:

Catalyst PAT HS710, commonly used in the first, saturation bath for UF MUF or MF resins.
Catalyst PAT-HL740, commonly used in the coating section for MF resins

B-Time testing instrument

The serious processor may be interested in the following B-Time testing instrument :

The foil-analyzer (developed by Werzalit) is based on the B-time: A piece of impregnated paper is inserted in a silicone oil bath at a given temperature. Then this - initially flexible - paper is subject to a twist-movement (target-elongation say 45°) and the torque (=force needed to conduct this measurement) is measured. As the paper starts to cure, it gets stiffer and more force is needed to conduct this twist (obviously, the needed force is also a function of the temperature of the silicone

oil bath). Thus, you get information on the flow of the resin and can - ultimately - also determine when the curing is complete (=B-time).



Thank you for reading and for your interest and to those who take time to comment.

We are all learning, so we invite comment on any topic or suggestions for topics. If we don't know, we do know others who do know

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An Experienced Wood panel machinery and materials supplier

Our years of experience in the market, dealing with various clients, each with unique requirements have driven us to increase knowledge and skill.

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