

TESTIMONIAL REFERENCE

Advance Agro Pulp Mill 2 - THAILAND

From: [Barnes](#)

To: [John](#)

Sent: Friday, December 20, 2002 3:44 AM

Subject: Re: Cardox

Hi John,

It was good to talk to you yesterday, please find following answers to your questions, anything else please let me know.

Greg Barnes

Recovery Manager,

Advance Agro Pulp Mill 2,

PO Box 1, Sri Ma Ha Poj,

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Phone 66 (0) 37 208766 ext. 6168 Mobile 66 (0) 1 761 2841

1) YOU MENTIONED YOUR ROTARY KILN WAS DESIGNED /INSTALLED BY FL SMIDTH?

Yes our Kiln is 60 m by 30 m with flash drier, the ring formation starts usually about 1.5m after the drying zone concrete lifters.

2) DID FL SMIDTH ACTUALLY RECOMMENDED CARDOX TO YOU AS A RESULT OF OTHER PLANTS SUCCESSFULLY USING CARDOX?

Yes, they recommended Cardox and stated some of their clients were using Cardox.

3) HAS THERE BEEN ANY WEAKENING OF THE KILN BY INSTALLING CARDOX SOCKETS?

No weakening, in fact, we recently had a third party inspect our Kiln and they did not find any problems relating to Cardox. This was done by a specialist in Kilns, there are a lot of cement Kilns in Thailand and this expertise is available.

4) HAS THERE BEEN ANY DAMAGE TO THE REFRACTORY BRICK WHEN USING CARDOX SOCKETS WITH EXTENSION PIPES?

No. No damage to the bricks from the Cardox though there was some wear on the Bricks due to the formation and breaking down of the ring but we do recommend the extension pipes be used. **The extension pipes protect and add stability to the brick lining.**

Also we keep to the 15cm distance from the bricks to the discharge nozzle before activating Cardox Tubes.

5) YOU MENTIONED YOUR KILN DIAMETER IS 3M AND YOU UTILISE JUST TWO ROWS OF CARDOX SOCKETS DIAMETRICALLY OPPOSED EVERY 0.75M LENGTH.

Yes 6 nozzles diametrically opposed that is 12 nozzles, then another 6 in a single line closer to the burning zone. We don't use the latter 6 that much, they were put in on an annual shut to combat Murphy's law in case the ring formation moved, unfortunately Murphy's law got the better of me and on occasion the ring formation moved the other way into the lifter area. We plan to install more nozzles in the next annual shut down in June 2003.

If you require any further information please do not hesitate to contact me.

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