



Date July 30, 1997

From Susan Dyer

Location Kamloops Pulp

Subject **ProTek/USA Field Testing Update**

To Bert Lerch
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The following is a brief update on the use of ProTek products on site.

RUSTCOAT

Currently the “Rustcoat” protective coating is being tested in the Steam Plant and the Machine Room.

- Steam Plant – Rustcoat was spray applied to a steel grating platform and stairs on the sixth floor, ‘A’ Recovery. The product is a single component moisture cure product that cures rapidly in the presence of high humidity. The product comes in a five gallon container. Once the container has been opened and is exposed to the humidity, within an hour the product starts to cure and a hard layer forms. Thus, the way the product is packaged in large 5 gallon containers, does not facilitate small jobs. Rustcoat was applied with minimal surface prep to a thickness of 2 – 2 1/2 mils on the grating. The coating was applied February 1997 and shows no sign of failure or wear to date. The coating appears to be performing better than the traditional 12 – 14 mil paint coating that was used in the past. We are satisfied with its performance to date and will continue to monitor.
- Machine Room – The east end of ‘B’ Machine Dryer was power brushed and then spray painted with Rustcoat. The product was applied with a quick sweep and then within an hour, another pass was made giving an overall thickness of 2 – 2 1/2 mils. The product was applied during a Mill Shutdown when the humidity and ambient temperature were lower. The application has been on for 1 1/2 years and there are no signs of failure of the coating.

THERMCOTE

The Thermcote and enamel/P has been applied to aluminum duct that runs from the air-conditioning unit on the Machine Room roof to the tendershack in the Machine Room.

- The duct was coated with ProTek Thermcote and enamel/P in October 1996. The ProTek Thermcote appears to reduce the heat gain of the air conditioned air by approximately 10 degree F. This is seen on a section of duct where only enamel/P was used (surface temperature 85 degree F) compared to a section of duct where both ProTek Thermcote and enamel/P were used (surface temperature 76 degree F). The coating does not show any sign of wear or failure to date. The surface temperature of the duct work on the roof has been recorded as high as 170 degree F with an ambient of 90 degrees in the past before the application of the product. Today’s surface temperature is greatly reduced at 93 degree F with an ambient of approximately 85 degrees. We are satisfied with the performance of the product on aluminum duct in this application.

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