



CONSTRUCTION
PRODUCTS
DIVISION

PAGE 1

REQUEST FOR TECHNICAL SERVICE

NUMBER: 65311
GROUP: Fireproofing
DATE: September 8, 1983
CHARGE NO.: # 584
REQUESTOR: G. T. Anderson *GT*
MARKETING or MANUFACTURING APPROVAL:
NAME: R. A. Merther *RAMerth*
APPROVED: _____

PROBLEM TITLE: Monokote Asbestos Analysis/University of Judaism

SIGNIFICANCE: A local Los Angeles laboratory has analyzed Monokote type MK-4 to contain 3% asbestos fiber. Samples have been removed from the job for our analysis.

SPECIFIC OBJECTIVE:

- Determine: 1) Sample is Monokote (type MK-4).
2) Sample contains no asbestos.

SUGGESTED APPROACH: Standard analytical techniques.

DEADLINE (Last day information will be of value): September 15, 1983

DETAILS OF PROBLEM:

ACCEPTED BY RESEARCH DEPT.: *Julie* *cyg* DATE: 9/12/83

ASSIGNED TO: *cyg*

ADDITIONAL COPIES: Original to Library *H.C. Drake, D. Hilton.*

CONFIDENTIAL

15172056

REQUEST FOR TECHNICAL SERVICE

NUMBER: 65311
GROUP: Fireproofing
ACTUAL COST: \$50.00
REPORTING DATE: 9/13/83

SUMMARY

A MK sample taken from the University of Judaism was analyzed for possible asbestos presence. It was found to be MK-4 containing cellulosic fiber only, and no detectable asbestos fibers.

EXPERIMENTAL

1. Microscopic Examination

A crushed sample was immersed in oil of R. I. 1.524 and examined with a petrographic microscope at 100 and 430X. The fibers present were twisted flat ribbon-like with internal details which were characteristic of cellulosic fiber. No asbestos fibers were detected.

2. XRD Analysis

A sample was pulverized to -100 mesh and x-rayed.

Gypsum and vermiculite were the only crystalline phases identified. Since the requestor did not want in depth quantitative analysis, no further work was pursued.

CONCLUSION

The sample is definitely MK-4, since it has cellulosic fiber, vermiculite, and gypsum. No asbestos fiber was detected.

REFERENCE

XRD 500-86


Julie C. Yang

JCY/ph