2. This means that where we now use .065"/.070" board in CORBESTOS applications (which is our uncalendered use), we would use .045"/.050" Smith & Kanzler board.

3. Where we now use .055"/.060" Victor calendered board in layer gaskets, we would have to retain the gauge resulting in increased basis weight. This is necessary because the millboard in a layer gasket is a spacer, and gauge must be maintained.

The latest samples from Smith & Kanzler showed two areas of difficulty, neither of which is complex, but both require correction. First, the compressibility is running a little high - 18% against 15% maximum. Second, the felt mark on the sheet is excessive and can be detected through copper facing. However, since the pressing felt was used here, and it can be removed (as it is for ASBESTOPRENE) correction of both these problems should be accomplished by removing this felt and increasing wet calender pressure. This may result in a slight reduction in gauge which our investigation shows will not be a problem.

To summarize, we require a full range of basis weights from 4.9 to 5.9 grams/sq.dcm. up through 27.8 to 30.2 grams/sq.dcm. The exact gauges for each basis weight will be established with a production trial if the remaining tests show favorable results. Felt mark must be reduced, and can be with machine adjustments already being used for ASBESTOPRENE. Maintenance of gauge in layer gaskets will require higher basis weight material than is now being used. This will result in some change in cost on parts involved.

Materials Development Laboratory

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