

ABSTRACT**PRODUCTION OF MULTI-PLY CORRUGATED PAPERBOARD**

Method and apparatus for producing a multi-ply corrugated paperboard (105) by repeatedly laminating multi-ply corrugated mediums (102, 103) with different pitches and widths between top and bottom liners is disclosed. This invention thins the paperboard and improves the compressive strength of the paperboard so as to substantially reduce the package volume. In the process for producing the multi-ply corrugated paperboard, a first corrugated medium (102) is continuously laminated to a liner (101), thereby forming a single-ply paperboard. The first corrugated medium (102) has predetermined flute pitch and fluke peak height. Thereafter, a second corrugated medium (103) is continuously laminated to the single-ply paperboard, thereby forming the multi-ply corrugated paperboard (105) having improved shock absorptivity and compressive strength against a vertical load. The second corrugated medium has optionally selected flute pitch and flute peak height.

[SELECTED DRAWING : FIG. 2]