

SYMPOSIUM ON STRUCTURAL SANDWICH CONSTRUCTIONS

INTRODUCTION

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Structural sandwich constructions, as usually employed, consist of laminated materials in which the faces are relatively thin, strong, and dense, whereas the cores are relatively thick, light, and considerably weaker than the faces. The more or less obvious objective is to obtain a structure which is strong and stiff because of its construction, but is at the same time light in weight, or has other desirable attributes not obtainable with the components used singly.

A great deal of effort has gone into the development of structural sandwich constructions, primarily for the trans-

portation and building industries. In aircraft, in particular, research and development has been most intensive, but the building industry also makes major use of such assemblies for walls, partitions, and other parts of buildings.

The ASTM recognized the growing need for test methods and specifications for this relatively new field, and therefore set up Committee C-19 on Structural Sandwich Constructions to handle these requirements. Committee C-19 arranged this symposium for the benefit of all who are interested in obtaining a wider acquaintance with these constructions, and to act as a forum for discussion.

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