

Methods of test for

Adhesives —

Part C5: Determination of bond strength in longitudinal shear

Foreword

This Part of BS 5350 has been prepared under the direction of the Adhesives Standards Policy Committee. It supersedes BS 5350-C5:1976 which is withdrawn. The standard provides a method of assessing the strength of adhesives by determining the shear strength of overlap joints between rectangular adherends. This method is widely practised because the adherends are of simple form and the results are reasonably reproducible. However, since the stress applied to the adhesive is not a simple shear but contains other components, the breaking load is not a simple function of the width or the length of the overlap but is also influenced by the elastic properties and dimensions of the adherends, the bond-line thickness and the rate of change of stress. Hence it is necessary to standardize the procedure in order to obtain reproducibility.

The test does not necessarily reflect how the adhesive would perform in service. Such design data would normally be obtained using the construction materials and configuration used in the actual design.

In this revision, the scope has been amended to exclude testing of wood-to-wood bonds for which other standards exist and several changes have been made to the procedure to align it with procedures in other recent Parts of BS 5350. At the same time, the references to other British Standards have been brought up-to-date.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Amendments issued since publication

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