

# Corrugated plastics translucent sheets made from thermo-setting polyester resin (glass fibre reinforced) —

**Part 1: Specification for material and  
performance requirements**

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## Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Elements and Components (of diverse materials) for Buildings Standards Committee (ECB/-) to Technical Committee ECB/23, upon which the following bodies were represented:

British Plastics Federation  
Department of the Environment (Property Services Agency)  
Electricity Supply Industry in England and Wales  
Fibre Cement Manufacturers' Association Limited  
Greater London Council  
Institution of Civil Engineers  
National Federation of Roofing Contractors  
Plastics and Rubber Institute

This British Standard, having been prepared under the direction of the Elements and Components (of diverse materials) for Buildings Standards Committee, was published under the authority of the Board of BSI and comes into effect on 31 January 1985

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### Amendments issued since publication

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## Foreword

This British Standard, which was first published in 1967, has now been revised into two Parts, prepared under the direction of the Elements and Components (of diverse materials) for Buildings Standards Committee. It specifies requirements for glass fibre reinforced corrugated plastics sheeting for building purposes, as follows.

- *Part 1: Specification for material and performance requirements;*
- *Part 2: Specification for profiles and dimensions.*

In this revision the minimum bolt shearing test loads have been increased to ensure that the sheet quality is maintained at a high level.

The appendix giving recommendations for fixing is no longer included and reference should be made to BS 5427. Reference should also be made to BS 5427 for information on prevention of pull through of fasteners and compatibility with sealants.

This Part of BS 4154 specifies material and performance requirements. Since it was not possible to include all of the many profiles manufactured in GRP, eight of the more commonly used profiles have been specified in Part 2.

Care should be taken to ensure that sheeting for buildings complies with the fire performance requirements set out in the relevant regulations. Information on the fire performance of profiled sheeting may be obtained from BS 5427. Sheets may need to be tested in accordance with the methods given in the relevant Parts of BS 476 and marked to show their gradings in accordance with that standard.

A range of colours for external cladding materials including plastics sheeting is given in BS 4904. It is recommended that the colour be agreed between the purchaser and the supplier and a sample of the agreed colour be retained for reference.

*Certification.* Attention is drawn to the certification facilities described on the inside back cover of this standard.

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 12, 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.