

# Specifications for impact modified extruded acrylic sheets for shower trays for domestic purposes

The European Standard EN 13558:2003 has the status of a  
British Standard

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# National foreword

This British Standard is the official English language version of EN 13558:2003.

The UK participation in its preparation was entrusted to Technical Committee B/503, Sanitary appliances, which has the responsibility to:

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## Summary of pages

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English version

## Specifications for impact modified extruded acrylic sheets for shower trays for domestic purposes

Spécifications relatives aux feuilles en acrylique extrudées  
à résistance au choc modifiée pour receveurs de douche à  
usage domestique

Spezifizierung von schlagzäh-modifizierten extrudierten  
Acrylplatten für Duschwannen für den Hausgebrauch

This European Standard was approved by CEN on 27 June 2003.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

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## Foreword

This document (EN 13558:2003) has been prepared by Technical Committee CEN /TC 163, "Sanitary appliances", the secretariat of which is held by UNI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2004, and conflicting national standards shall be withdrawn at the latest by March 2004.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

## 1 Scope

This European Standard specifies the properties of impact modified extruded acrylic sheets from which shower trays for domestic purposes are manufactured.

Note : For the purposes of this standard the term "domestic purposes" includes use in hotels, accommodation for students, hospitals and similar buildings, except when special medical provisions are required.

## 2 Normative references

This European standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

ISO 105-A02, *Textiles - Tests for colour fastness – Part A02: Grey scale for assessing change in colour.*

ISO 179, *Plastics - Determination of Charpy impact properties.*

ISO 306, *Plastics - Thermoplastic materials - Determination of the Vicat softening temperature (VST).*

ISO 527, *Plastics - Determination of tensile properties.*

ISO 4892, *Plastics - Methods of exposure to laboratory light sources.*

ISO 7823-2, *Plastics - Poly(methyl methacrylate) sheets - Types, dimensions and characteristics - Part 2: Extruded sheets*

## 3 Terms and definitions

For the purpose of this standard, the following term and definition applies:

### 3.1

#### **Impact modified extruded acrylic sheet**

sheet produced by extrusion of homopolymers and copolymers of methyl methacrylate (MMA) containing at least 80% (m/m) of MMA and not more than 20% (m/m) of acrylic esters or other useful monomers, modified by acrylic elastomers grafted by homopolymers or copolymers of MMA. The polymers may contain lubricants, processing aids, U.V. absorbers, pigments and colours.

## 4 Requirements

### 4.1 General requirements

The impact modified extruded acrylic sheet shall comply with the requirements of table 1 when tested to the methods given in Table 1.