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**SANITARY APPLIANCES - CROSSLINKED
CAST ACRYLIC SHEETS FOR BATHS AND
SHOWER TRAYS FOR DOMESTIC PURPOSES**

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comes into effect on:
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English Version

Sanitary appliances - Crosslinked cast acrylic sheets for baths and shower trays for domestic purposes

Appareils sanitaires - Feuilles d'acrylique réticulées coulées
pour baignoires et receveurs de douche à usage
domestique

Sanitärausstattungsgegenstände - Vernetzte gegossene
Acrylplatten für Badewannen und Duschwannen für den
Hausgebrauch

This European Standard was approved by CEN on 12 January 2008.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

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 CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This document (EN 263:2008) 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of an identical text or by endorsement, at the latest by August 2008, and conflicting national standards shall be withdrawn at the latest by August 2008.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 263:2002.

The performance criteria for baths and shower trays for domestic purposes made from crosslinked cast acrylic sheets are divided into two European Standards as follows:

prEN 198 Sanitary appliances - *Baths made from crosslinked cast acrylic sheets - Requirements and test methods.*

prEN 249 Sanitary appliances - *Shower trays made from crosslinked cast acrylic sheets - Requirements and test methods.*

This revised version of EN 263 includes the following amendments, compared to the version of 2002:

- Deletion of reference to ISO 62 standard for water absorption test and replacement with the description of the test itself.
- Modification of eosine concentration in resistance to chemical and stains test.

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

1 Scope

This European Standard specifies requirements and test methods for cross-linked cast acrylic sheets (called acrylic sheets hereafter) from which baths and 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

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 20105-A02, *Textiles - Tests for colour fastness - Part A02: Grey scale for assessing change in colour (ISO 105-A02:1993)*

EN ISO 306, *Plastics - Thermoplastic materials - Determination of Vicat softening temperature (VST) (ISO 306:2004)*

EN ISO 527-2, *Plastics - Determination of tensile properties - Part 2: Test conditions for moulding and extrusion plastics (ISO 527-2:1993 including Corr 1:1994)*

EN ISO 4892-2, *Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps (ISO 4892-2:2006)*

3 Requirements

3.1 General requirements

The acrylic sheet shall comply with the requirements given in Table 1.

Table 1 - General requirements

Property	Test method	Requirement
Vicat softening point	EN ISO 306 1)	$\geq 105^{\circ}\text{C}$
Water absorption	4.7 of this standard	$\leq 40 \text{ mg}$
Tensile strength	EN ISO 527-2 and 4.1 of this standard	$\geq 60 \text{ MPa}$
Cross-linking	4.6 of this standard	no sign of dissolving or sticking
1) Method B 50, temperature raised at a rate of $(50 \pm 5)^{\circ}\text{C/h}$.		

3.2 Thickness

The thickness of the acrylic sheet shall be not less than 2,7 mm. The maximum tolerance on thickness Δh shall be $\pm (0,4 + 0,1h)$, h being the nominal sheet thickness in mm.

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