Adhesives for paper and board, packaging and disposable sanitary products - Determination of foam to a production open one of the state of the formation for aqueous adhesives



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EUROPEAN STANDARD NORME EUROPÉENNE

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English Version

Adhesives for paper and board, packaging and disposable sanitary products - Determination of foam formation for aqueous adhesives

Adhésifs pour papier, carton, emballage et produits sanitaires jetables - Détermination de la formation de mousse des adhésifs aqueux

Klebstoffe für Papier, Verpackung und Hygieneprodukte -Bestimmung der Schaumbildung von wässrigen Klebstoffen

This European Standard was approved by CEN on 5 February 2012.

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

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	October September 1988	

Foreword

This document (EN 12704:2012) has been prepared by Technical Committee CEN/TC 193 "Adhesives", the secretariat of which is held by AENOR.

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of an identical text or by endorsement, at the latest by September 2012, and conflicting national standards shall be withdrawn at the latest by September 2012.

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1 Scope

This European Standard specifies a test method to determine the foam formation, or air entrainment during rapid stirring of aqueous adhesives with a maximum viscosity of 10 000 MPa·s at room temperature determined in accordance with EN 12092.

2 Normative references

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

EN 923, Adhesives — Terms and definitions

EN 1067, Adhesives — Examination and preparation of samples for testing

EN 12092, Adhesives — Determination of viscosity

EN ISO 15605, Adhesives — Sampling (ISO 15605)

ISO 554, Standard atmospheres for conditioning and/or testing — Specifications

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 923 apply.

4 Principle

The adhesive is stirred under defined conditions and the foam formation determined from the differences between the initial and final volumes of the adhesive.

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5 Apparatus

- **5.1 Stirrer motor**, capable of driving the stirrer at an adjustable rotary speed up to 3 000 min⁻¹.
- **5.2 Stirrer**, with dimensions as shown in Figure 1.
- **5.3** Beaker, 2 I, of transparent material of approximately dimensions, h = 230 mm, d = 105 mm.
- **5.4** Balance, accuracy 1,0 g.
- **5.5 Mechanical system**, to secure the stirrer and beaker.
- **5.6** Timer, accuracy 1 s.
- 5.7 Ruler, accuracy 1 mm.