

DIN EN 17104:2021-03 (E)

Thermoplastics rigid protective wallcovering panels for internal use in buildings - Performance characteristics

Contents		Page
European foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	7
4	Characteristics	7
4.1	Reaction to fire	7
4.2	Emission of dangerous substances into indoor air	8
4.2.1	General	8
4.2.2	Emissions of volatile organic compounds (VOC) with exception of formaldehyde	8
4.2.3	Emission of formaldehyde	8
4.3	Migration of heavy metals	9
4.4	Impact resistance	9
4.5	Sound absorption	9
4.6	Thermal resistance	9
5	Testing, assessment and sampling methods	10
5.1	Reaction to fire	10
5.2	Emissions of volatile organic compounds (VOC) with exception of formaldehyde	10
5.3	Emission of formaldehyde	10
5.4	Migration of heavy metals	10
5.5	Impact resistance	11
5.6	Sound absorption	11
5.7	Thermal resistance	11
6	Assessment and verification of constancy of performance - AVCP	12
6.1	General	12
6.2	Assessment of performance	12
6.2.1	General	12
6.2.2	Test samples, testing and assessment criteria	13
6.3	Verification of constancy of performance	14
6.3.1	Factory production control (FPC)	14
6.3.2	Initial inspection of factory and of FPC	15
6.3.3	Continuous surveillance of FPC	15
Annex A (normative) Extended application rules within a group of product		17
A.1	Tests for the reaction to fire performance	17
A.1.1	General	17
A.1.2	Sampling	17
A.1.3	Product parameter having an influence on the reaction to fire performance	17
A.1.4	End-use application parameters	17
A.1.5	Tests conducted according to EN 13823:2020 intended for an extended application	18
A.1.6	Tests conducted according to EN ISO 11925-2:2020 intended for an extended application	19
A.2	Test for emission of dangerous substances into indoor air (VOC and formaldehyde)	19

A.2.1	General	19
A.2.2	Product parameters which influence indoor air emissions	19
Annex ZA (informative) Relationship of this European Standard with Regulation (EU) No 305/2011 .		20
ZA.1	Scope and relevant characteristics	20
ZA.2	System of Assessment and Verification of Constancy of Performance (AVCP)	21
ZA.3	Assignment of AVCP tasks	21