

DIN EN 1013:2015-03 (E)

Light transmitting single skin profiled plastics sheets for internal and external roofs, walls and ceilings - Requirements and test methods (includes Amendment A1:2014)

Contents		Page
Foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	7
4	Symbols and abbreviations	8
4.1	Symbols	8
4.2	Abbreviations	8
5	Requirements	8
5.1	Visual appearance	8
5.2	Dimensional tolerances and mass per square metre	8
5.3	Light transmission	9
5.4	Flexural/tensile strength	9
5.5	Durability	10
5.6	Thermal ageing resistance (only for thermoplastic sheets)	12
5.7	Longitudinal reversion and profile retention (only for thermoplastic sheets)	12
5.8	Impact resistance	12
5.9	Resistance to deflection (mechanical resistance)	12
5.10	Water vapour permeability	13
5.11	Water/air permeability	13
5.12	Linear thermal expansion	13
5.13	Reaction to fire	14
5.14	External fire performance	14
5.15	Glass-fibre content (only for glass-fibre reinforced sheets)	15
5.16	Barcol hardness (only for glass-fibre reinforced sheets)	15
5.17	Presence of protective coating	15
5.18	Adhesion of surface coating (only for glass-fibre reinforced sheets)	16
5.19	Resistance to fixings	16
5.20	Dangerous substances	16
6	Test methods	16
6.1	Dimensional tolerances	16
6.2	Light transmission	20
6.3	Yellowness index	20
6.4	Flexural/tensile strength	21
6.5	Thermal ageing resistance	21
6.6	Longitudinal reversion and profile retention	22
6.7	Small hard body impact resistance	24
6.8	Resistance to deflection	26
6.9	Reaction to fire	29
6.10	External fire performance	31
6.11	Glass-fibre content	32
6.12	Barcol hardness	32
6.13	Presence of protective coating	32
6.14	Adhesion of surface coating	35

7	Assessment and verification of constancy of performance - AVCP	36
7.1	General	36
7.2	Product type determination	36
7.3	Factory production control (FPC)	38
7.4	Initial inspection of factory and of FPC	40
7.5	Continuous surveillance of FPC	40
8	Marking and labelling	41
Annex A (normative) Profile terminology		42
Annex B (normative) Glass content by density of laminate		45
Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation		47
Bibliography		58