CEN EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITE EUROPEEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN/TC33/WG3/

CEN/TC 89 Thermal performance of buildings and building components Document status

From doc : **CEN/TC 89 N 812 E rev** 2002-05-27

TC 89 WI	GTR WI	Reference	Title
1 - EN available (stage 64)			
1	31	EN ISO 7345 : 1995	Thermal insulation – Physical quantities and definitions (ISO 7345 : 1987)
2	32	EN ISO 9346 : 1996	Thermal insulation – Mass transfer – Physical quantities and definitions (ISO 9346 : 1987)
3	33	EN ISO 9288 : 1996	Thermal insulation – Heat transfer by radiation – Physical quantities and definitions (ISO 9288 : 1989)
4	12	EN 12524 : 2000	Building materials and products – Hygrothermal properties – Tabulated design values
7	53	EN ISO 8497 : 1996	Thermal insulation – Determination of steady-state thermal transmission properties of thermal insulation for circular pipes (ISO 8497 : 1994)
8.1	54	EN 1946-1 : 1999	Thermal performance of building products and components – Specific criteria for the assessment of laboratories measuring heat transfer properties – **Part 1 :** Common criteria
8.2	55	EN 1946-2 : 1999	Thermal performance of building products and components – Specific criteria for the assessment of laboratories measuring heat transfer properties – **Part 2 :** Measurements by guarded hot plate method
8.3	56	EN 1946-3 : 1999	Thermal performance of building products and components – Specific criteria for the assessment of laboratories measuring heat transfer properties – **Part 3 :** Measurements by heat flow meter method
8.4.1	57	EN 1946-4 : 2000	Thermal performance of building products and components – Specific criteria for the assessment of laboratories measuring heat transfer properties – **Part 4 :** Measurements by hot box methods

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8.5	58	EN 1946-5 : 2000	Thermal performance of building products and components – Specific criteria for the assessment of laboratories measuring heat transfer properties – **Part 5 :** Measurements by pipe test method
9.1	59	EN 12939 : 2000	Thermal performance of building materials and products – Determination of thermal resistance by means of guarded hot plate and heat flow meter methods – Thick products of high and medium thermal resistance
10.1	60	EN 12664 : 2001	Thermal performance of building materials and products – Determination of thermal resistance by means of guarded hot plate and heat flow meter methods – Dry and moist products of medium and low thermal resistance
11	11	EN ISO 10456 : 1999	Building materials and products – Procedures for determining declared and design thermal values (ISO 10456 : 1999)
13.1	37	EN ISO 12572 : 2001	Hygrothermal performance of building materials and products – Determination of water vapour transmission properties (ISO 12572 : 2001)
14	38	EN 13009 : 2000	Hygrothermal performance of building materials and products – Determination of hygric expansion coefficient
15	39	EN ISO 12571 : 2000	Hygrothermal performance of building materials and products – Determination of hygroscopic sorption properties (ISO 12571 : 2000)
16	40	EN ISO 12570 : 2000	Hygrothermal performance of building materials and products – Determination of moisture content by drying at elevated temperature (ISO 12570 : 2000)
18	77	EN 12667 : 2001	Thermal performance of building materials – Determination of thermal resistance by means of guarded hot plate and heat flow meter methods – Products of high and medium thermal resistance
19.1	13	EN ISO 6946 : 1996	Building components and building elements – Thermal resistance and thermal transmittance – Calculation method (ISO 6946 : 1996)
20.1	14	EN ISO 110211-1 : 1995 EN ISO 10211-1 : 1995/AC : 2002	Thermal bridges in building construction – Calculation of heat flows and surface temperatures – **Part 1 :** General methods (ISO 10211-1 : 1995) Corrigendum to EN ISO 10211-1
20.2	76	EN ISO 10211-2 : 2001	Thermal bridges in building construction – Calculation of heat flows and surface temperatures – **Part 2 :** Linear thermal bridges (ISO 10211-2 : 2001)
21	15	EN ISO 14683 : 1999 EN ISO 14683 : 1999/AC : 1999	Thermal bridges in building construction – Linear thermal transmittance – Simplified methods and default values (ISO 14683 : 1999) Corrigendum to EN ISO 14683, Annex ZA (informative), A-deviations
22	16	EN ISO 13370 : 1998	Thermal performance of buildings – Heat transfer via the ground – Calculation methods (ISO 13370 : 1998)
23.1	68	EN ISO 10077-1 : 2000	Thermal performance of windows, doors and shutters Calculation of thermal transmittance – **Part 1 :** Simplified method (ISO 10077-1 : 2000)

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24.1	7	EN ISO 12241 : 1998	Thermal insulation for building equipment and industrial installations – Calculation rules (ISO 12241 : 1998)
25	22	EN ISO 8990 : 1996	Thermal insulation – Determination of steady-state thermal transmission properties – Calibrated and guarded hot box (ISO 8990 : 1994)
26.1	23	EN ISO 12567-1 : 2000	Thermal performance of windows and doors – Determination of thermal transmittance by hot box method (ISO 12567 : 2000)
27	61	EN 1934 : 1998	Thermal performance of buildings – Determination of thermal resistance by hot box method using heat flow meter - Masonry
28	42	EN ISO 9251 : 1995	Thermal insulation – Heat transfer conditions and properties of materials – Vocabulary (ISO 9251 : 1987)
29.1	46	EN ISO 13788 : 2001	Hygrothermal performance of building components and building elements – Estimation of internal surface temperature to avoid critical surface humidity and interstitial condensation (ISO 13788 : 2001)
29.2	83	EN 14114 : 2002	Thermal insulation of building equipment and industrial installations – Calculation of water vapour diffusion – Cold pipe insulation systems
30.1	47	EN 12865 : 2001	Hygrothermal performance of building components and building elements – Determination of resistance to driving rain under pulsating air pressure – External wall systems
31	48	EN 12114 : 2000	Thermal performance of building – Air permeability of building components and building elements – Laboratory test method
32	49	EN ISO 13786 : 1999	Thermal performance of buildings components – Dynamic thermal characteristics – Calculation methods (ISO 13786 : 1999)
35	43	EN ISO 13789 : 1999	Thermal performance of buildings – Transmission heat loss coefficient – Calculation method (ISO 13789 : 1999)
36	20	EN 832 : 1998 EN 832 : 1998/ AC : 2000	Thermal performance of buildings – Calculation of energy use for heating – Residential buildings Corrigendum to EN 832
41	17	EN ISO 13793 : 2001	Thermal performance of buildings – Thermal design of foundations to avoid frost heave (ISO 13793 : 2001)
42	5	EN 13829 : 2000	Thermal performance of buildings – Determination of air permeability of buildings – Fan pressurization method (ISO 9972 : 1996, modified)
45	25	EN 13187 : 1998	Thermal performance of buildings – Qualitative detection of thermal irregularities in building envelopes – Infrared method
51	6	EN ISO 12569 : 2000	Thermal insulation in buildings – Determination of air change in buildings – Tracer gas dilution method (ISO 12569 : 2000)
2 – Approved in Formal Vote (stages 52 to 63)			

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3 – Document available for Formal Vote (stage 49) ; Formal Vote launched (stage 51)			
12.1	36	prEN ISO 13787	Thermal insulation products for building equipment and industrial installations – Determination of declared thermal conductivity (ISO/FDIS 13787)
13.2	70	prEN ISO 15148	Hygrothermal performance of building materials and products – Determination of water absorption coefficient by partial immersion (ISO/FDIS 15148)
19.2	88	EN ISO 6946/prA1	Amendment on EN ISO 6946 : 1996, Annex D.4 : Correction procedure for inverted roofs (ISO 6946 : 1996/FDAM 1)
4 – Formal Vote decided (stage 23, 34)			
9.2	86	TC 89 N 835	Technical Report : The use of interpolating equations in relation to thermal measurements on thick specimens
10.2	81	TC 89 N 791	Technical Report : Building materials – Principles for the determination of thermal conductivity of moist materials
23.2	72	prEN ISO 10077-2 (N 793)	Thermal performance of windows, doors and shutters – Calculation of thermal transmittance **Part 2 :** Numerical method for frames (ISO/DIS 10077-2)
26.2	75	prEN 12412-2 (N 795)	Thermal performance of windows, doors and shutters – Determination of thermal transmittance by hot box method – **Part : 2 :** Frames
26.4	74	prEN 12412-4 (N 828)	Thermal performance of windows, doors and shutters – Determination of thermal transmittance by hot box method – **Part 4 :** Rolier-shutters boxes
33.1	19	prEN 13363-1 (N 830)	Solar protection devices combined with glazing – Calculation of solar energy and light transmittance – **Part 1 :** Simplified method
34	79	TC 89 N 556	CEN Technical Report : Thermal performance of buildings and installations – classification of assumptions for temperature, load and energy calculation procedures
37	63	prEN ISO 13790 (N 782)	Thermal performance of buildings – Calculation of energy use for heating (ISO/DIS 13790)
38	62	prEN ISO 13791 (N 769)	Thermal performance of buildings – Internal temperatures in summer of a room without mechanical cooling – General criteria and validation procedures (ISO/DIS 13791)
39	44	prEN ISO 13792 (N 770)	Thermal performance of buildings – Internal temperatures in summer of a room without mechanical cooling – Simplified calculation method (ISO/DIS 13792)
44.1	24	prEN 12494 (N 676)	Building components and elements – In-situ measurement of the surface-to surface thermal resistance
46.1	27	prEN ISO 15927-1 (N 754)	Hygrothermal performance of buildings – Calculation and presentation of climatic data – **Part 1 :** Monthly means of single meteorological elements (ISO/DIS 15927-1)

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5 – Results of CEN Enquiry established (stage 46)			
26.3	73	prEN ISO 12567-2	Thermal performance of windows and doors – Determination of thermal transmittance by hot box method – **Part 2 :** Roof windows and other projecting windows (ISO/DIS 12567-2))
46.3	67	TC 89 N 671	Hygrothermal performance of buildings – Calculation and presentation of climatic data – **Part 3 :** Calculation of a driving rain index for vertical surfaces from hourly wind and rain data (ISO/CD 15927-3)
46.5	69	prEN ISO 15927-4	Hygrothermal performance of buildings – Thermal performance of climatic data - **Part 4 :** Data for assessing the annual energy demand for cooling and heating systems (ISO/DIS 15927-4)
54	82	prEN 13947	Thermal performance of curtain walling – Calculation of thermal transmittance – Simplified method
6 – Document available for CEN Enquiry (stage 40); CEN Enquiry started (stage 41) ; PQ circulated (stage 21)			
33.2	78	TC 89 N 599 (prEN 13363-2)	Solar protection devices combined with glazing – Calculation of solar and light transmittance – **Part 2 :** Reference method
46.4	68	TC 89 N 689	Hygrothermal performance of buildings – Calculation and presentation of climatic data – **Part 5 :** Winter external design air temperatures and related data
7 – CEN Enquiry decided (stage 33)			
46.2	66	TC 89 N 609	Hygrothermal performance of buildings – Calculation and presentation of climatic data – **Part 2 :** Data for design cooling loads and risk of overheating (ISO/CD 15927-2)
46.6	91	TC 89 N 731	Hygrothermal performance of buildings – Calculation and presentation of climatic data – **Part 6 :** Accumulated temperature differences for assessing energy use in space heating
8 – Working document circulated to TC (stage 32)			
40.1	45	TC 89 N 602	Buildings – Calculation of cooling load and energy needs for cooling – **Part 1 :** Cooling load calculation
40.2	64	TC 89 N 742	Buildings – Calculation of cooling load and energy needs for cooling – **Part 2 :** Calculation of energy needs for buildings with air conditioning
9 – Working document expected from WG (stage 31)			

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44.2	87	-	CEN Technical Report : Building components and building elements – Examples of dynamic analysis method and effect of surface temperature non-uniformity in-situ measurements
10 – Work allocated to TC (stage 11)			
12.2	89	TC 89 N 824 rev	Thermal insulation products for building equipment and industrial installations – Thermal conductivity – Determination of design values (ISO/WD 23993)
12.3	90	TC 89 N 825 rev	Thermal insulation products for building equipment and industrial installations – Thermal transmittance – Determination of correction terms (ISO/WD 23995)
24.2	-	TC 89 N 357	Technical report : Calculation of the optimum economical thickness of insulating layers
29.3	92	-	Hygrothermal performance of building components and building elements – Assessment of moisture transfer by numerical simulation
11 – Postponed work items			
30.2	84	TC 89 N 678	Hygrothermal performance of buildings – Determination of the resistance to wind-driven rain – Roof systems with discontinuously laid small elements
47	-	TC 89 N 477	Ways of expressing thermal requirements for buildings
48	-	-	Ways of expressing requirements on thermal comfort – Assessment of air and surface temperatures
49	-	-	Ways of expressing thermal requirements in order to avoid surface condensation in dwellings
50	-	-	Energy declaration of buildings
52	-	-	In situ testing of thermal properties – Thermography of installations and equipment
53	-	-	Cold stores and freezing chambers – Calculation of transmission losses and energy consumption