Organisme belge d'Accréditation
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Bijlage bij accreditatiecertificaat
Annexe au certificat d'accréditation
Annex to the accreditation certificate
Beilage zur Akkreditierungszertifikat

196-TEST

EN ISO/IEC 17025:2017

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Maureen Logghe
Voorzitster van het Accreditatiebureau
La Présidente du Bureau d'Accréditation
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

De accreditatie werd uitgereikt aan / L'accréditation est délivrée à / The accreditation is granted to / Die akkreditierung wurde erteilt für:

WFRGENT nv
Ottergemsesteenweg-Zuid 711
9000 Gent

Ondernemingsnummer / Numéro d'entreprise / Enterprise number / Unternehmensnummer:
0870.418.414

Activiteitencentra / Sites d'activités / Sites of activities / Standorte mit aktivitäten:

WFR GENT	Ottergemsesteenweg-Zuid, 711 9000 Gent
ETEX TISSELT	Bormstraat 24 2830 Tisselt

BELAC BELAC BELAC

Test code	Product/ Matrix	Measured property/ parameter	Reference to test method	Test or measurement principle/measurement technique	Activity performed in following activity centres	
					Gent	Tisselt
Reaction to Fire						
MD25764	ROOF STRUCTURES	External fire exposure: 1. external and internal fire spreads upwards/downwards 2. burning droplets 3. burning particles penetrating the roof 4. openings <25mm² 5. lateral fire spread 6. internal glowing combustion	CEN/TS 1187 Test 1	Measurements : visual observation of flame spread (tape measure)	x	
MD25765		External fire exposure: 1. damage lenght at 2m/s and 4m/s for roof covering 2. damage lenght at 2m/s and 4m/s for substrate	CEN/TS 1187 Test 2	Measurements : visual observation of flame spread (tape measure) ; calibration windspeed with anemometer	x	
MD25766		External fire exposure: 1. external fire spread time (TE) 2. time for fire penetration (TP)	CEN/TS 1187 Test 3	Measurements : visual observation of flame spread (tape measure) ; calibration windspeed with anemometer, calibration panel with heatflux meter	x	

MD27098	ROOF STRUCTURES	External fire exposure: 1. burn time 2. flame spread distance 3. penetration time	CEN/TS 1187 Test 4	Measurements : visual observation of penetration /flame spread ; calibration windspeed with differential pressure gauge , calibration panel with heatflux meter	x	
R-1/2/3		Classification cfr methods CEN/TS 1187 Test 1 to 4	EN 13501-5	Classification standard for roofs / roof coverings exposed to external fire - measurement on basis of results of CEN/TS 1187 Test 1->4	x	
R-21		Extended application cfr methods CEN/TS 1187 Test 1 to 4	CEN/TS 16459	Diap & exap rules for extending field of application EN 13501-5 reports measurement on basis of results of CEN/TS 1187 Test 1->4	x	

MD25782	BUILDING MATERIALS & STRUCTURES	Non combustibility 1. temperature difference ΔT 2. mass loss Δm 3. sustained flaming	EN ISO 1182	Non combustibility : t° measurement with thermocouples , mass los with scale, visual observations of ignition	x	
MD26494		Ignitibility 1. Flame spread (FS) 2. Ignition of filter paper (Burning droplets)	EN ISO 11925-2 (small flame)	Ignitibility : visual observation of flame spread (tape measure) / burning droplets + anemometer (windspeed)	x	
MD25763		Heat release + smoke 1. heat release (kW/m²) 2. total heat release (MJ/m²) 3. effective heat of combustion (MJ/kg) 4. mass loss (g/m²) 5. TSP (m²/m²) 6. mahre (kW/m²)	ISO 5660 (cone)	Oxygen depletion (heat release) + smoke measurement (infra red light system) + scale (mass loss)	x	
MD25779		1. heat release 1.1 FIGRA (W/s) 1.2 THR (MJ) 2. smoke production 2.1 SMOGRA (m²/s²) 2.2 TSP (m²) 3. lateral flame spread 4. burning droplets	EN 13823 (SBI)	Oxygen depletion (heat release) + smoke measurement (white light system) + visual observations	x	

MD25786	BUILDING MATERIALS & STRUCTURES	Heat of combustion PCS in MJ/kg	EN ISO 1716 (bom calorie)	Gross heat of combustion	x	
MD25767		Organic value 1. MOC in weight %	EN 13820	Determinationn of organic content via mass loss measurement with scale	x	
SI106879		Classification see measured properties in individual test methods : EN 13820, EN ISO 1716, EN 13823, EN ISO 11925-2, EN ISO 1182, EN ISO 9239-1	EN 13501-1	R2F classification procedure for construction products, measurement on basis of results of EN 13820, EN ISO 1716, EN 13823, EN ISO 11925-2, EN ISO 1182, EN ISO 9239-1	x	
MD25773		Extended application: see measured properties in individual test methods : EN 13820, EN ISO 1716, EN 13823, EN ISO 11925-2, EN ISO 1182, EN ISO 9239-1	EN 15725	Exap rules for extending field of application EN 13501-1 reports measurement on basis of results of EN 13820, EN ISO 1716, EN 13823, EN ISO 11925-2, EN ISO 1182, EN ISO 9239-1	x	
			CEN/TS 15117		x	
MD118181		Continuous smoldering: 1) sustained flaming at the top of the specimen 2) re-ignition of the specimen 3) temperature rise of more then 250°C 4) temperature higher then 50°C after max test duration of 6h	EN 16733	visual obervation, thermoucouples measurements	x	

MD25783	FLOOR COVERINGS	Flammability 1. critical flux in kW/m² 2. total smoke production TLA (%.minute)	EN ISO 9239-1 (flooring)	Measurement : visual observation of flame spread (tape measure), heaflux meter (calibration panel), smoke measurement via optical lenses	x	
MD25774	SCREENS	Flammability: 1. flame spread 2. burning droplets	NTA 8825	Determination of fire behavior of screen material for greenhouses, visual observation of flame spread (tape measure), wind measurement via anemometer	x	
Fire Resistance						
	GENERAL REQUIREMENTS	Fire resistance tests (general)	EN 1363-1 & 2	General requirements standard always used in conjunction with other European standards below	x	x
MD25917		Fire resistance Stability in case of fire	NBN 713-020	Stability: Visual observations (Parts of specimen falling down)	x	

I. Non loadbearing elements						
MD25859	BUILDING SYSTEMS	Fire resistance E: integrity I: Thermal insulation W: Radiation Element type: Walls	EN 1364-1	E: Length measurement (cracks) Visual observations (flames) I: Temperature measurements W: Radiation measurements	x	x
MD25860		Fire resistance E: integrity I: Thermal insulation Element type: Ceilings	EN 1364-2	E: Length measurement (cracks) Visual observations (flames) I: Temperature measurements	x	x
MD25876		Fire resistance E: integrity I: Thermal insulation W: Radiation Element type: Curtain walling - Part configuration	EN 1364-4	E: Length measurement (cracks) Visual observations (flames) I: Temperature measurements W: Radiation measurements	x	x
MD28152		Fire resistance E: integrity I: Thermal insulation Air transfer grilles W: Radiation Element type: Air transfer grilles	EN 1364-5	E: Length measurement (cracks) Visual observations (flames) I: Temperature measurements W: Radiation measurements	x	

MD25896	BUILDING SYSTEMS	Fire resistance K: Fire protection ability Element type: Coverings	EN 14135	K: Visual observations (charring/burning) Temperature measurements	x	x
MD109380		Element type: Seismic test	EAD 350141-00-1106 §2.2.14	Resistance against movement test before fire testing using pneumatic movement system. Visual observations of damage of the test specimen. Te bekijken met Peter	x	
MD109287		Fire resistance E: integrity I: Thermal insulation Element type: Cavity barriers	EN 1364-6	E: Length measurement (cracks) Visual observations (flames) I: Temperature measurements	x	
MD25912		Thermal resistance to rapid-temperature-rise fires Element type: Structural Steel	UL 1709	Transmission of heat: Temperature measurements. Leadbearing capacity: Deflection measurements.	x	
MD25865	DOORS	Fire resistance E: integrity I: Thermal insulation W: Radiation Element type: doors, shutters and openable windows	EN 1634-1	E: Length measurement (cracks) Visual observations (flames) I: Temperature measurements W: Radiation measurements	x	x
MD113056			EN 16034		x	x

MD25878	TECHNICAL INSTALLATIONS	Fire resistance E: integrity I: Thermal insulation Element type: Penetration seals	EN 1366-3	E: Length measurement (cracks) Visual observations (flames) I: Temperature measurements	x	x
MD25879		Fire resistance E: integrity I: Thermal insulation W: Radiation Element type: Linear joint seals	EN 1366-4	E: Length measurement (cracks) Visual observations (flames) I: Temperature measurements W: Radiation measurements	x	x
MD27645		Fire resistance E: integrity I: Thermal insulation Element type: Service ducts and shafts	EN 1366-5	E: Length measurement (cracks) Visual observations (flames) I: Temperature measurements	x	
MD25881		Fire resistance E: integrity I: Thermal insulation W: Radiation Element type: Conveyor systems and their closures	EN 1366-7	E: Length measurement (cracks) Visual observations (flames) I: Temperature measurements W: Radiation measurements	x	
IN243		Fire resistance Element type: Fire protective systems for cable systems ans associated components	EN 1366-11	Maintaining electrical circuit integrity: visual observations of fuse failure, circuit breaker or indication device (LED)	x	x
MD105639		Fire resistance Element type: 'Open-State' Cavity Barriers	ASFP TGD 19	Integrity: Visual observations (flames). Thermal insulation: Temperature measurements.	x	

MD25875	MARINE CONSTRUCTIONS	Fire resistance Element type: "A", "B" and "F" class divisions.	MSC 307(88) - 2010 FTP Code Annex 1 Part 3 (appendix 1, 2, 3 and 4)	Integrity: Length measurement (cracks) Visual observations (flames). Thermal insulation: Temperature measurements. Radiation intensity: Radiation measurements.	x	
II. Loadbearing elements						
MD25861	BUILDING SYSTEMS	Fire resistance E: integrity I: Thermal insulation W: Radiation R: Loadbearing capacity Element type: loadbearing Walls	EN 1365-1	E: Length measurement (cracks) Visual observations (flames) I: Temperature measurements W: Radiation measurements R: Deflection measurements	x	x
MD25862		Fire resistance E: integrity I: Thermal insulation R: Loadbearing capacity Element type: loadbearing floors and roofs	EN 1365-2	E: Length measurement (cracks) Visual observations (flames) I: Temperature measurements R: Deflection measurements	x	x
MD25863		Fire resistance R: Loadbearing capacity Element type: Beams	EN 1365-3	R: Deflection measurements Temperature measurements	x	
MD25864		Fire resistance R: Loadbearing capacity Element type: Columns	EN 1365-4	R: Deflection measurements Temperature measurements	x	

MD28151	BUILDING SYSTEMS	Fire resistance R: Loadbearing capacity Element type: Balconies and walkways	EN 1365-5	R: Deflection measurements Temperature measurements	x	
MD25880		Fire resistance E: integrity I: Thermal insulation R: Loadbearing capacity Element type: Raised access and hollow core floors	EN 1366-6	E: Length measurement (cracks) Visual observations (flames) I: Temperature measurements R: Deflection measurements	x	
MD25874		Fire resistance R: Loadbearing capacity Element type: Horizontal protective membranes	EN 13381-1	R: Deflection measurements Temperature measurements	x	x
MD25866		Fire resistance R: Loadbearing capacity Element type: Vertical protective membranes	EN 13381-2	R: Deflection measurements Temperature measurements	x	
MD25867		Fire resistance R: Loadbearing capacity Element type: Applied protection to concrete members	EN 13381-3	R: Deflection measurements Temperature measurements	x	x
MD25868		Fire resistance R: Loadbearing capacity Element type: Applied passive protection to steel members	EN 13381-4	R: Deflection measurements Temperature measurements	x	x
MD25877		Fire resistance R: Loadbearing capacity Element type: Applied reactive protection to steel members	EN 13381-8	R: Deflection measurements Temperature measurements	x	x

III. Smoke and air control systems						
SI25888	VENTILATION DUCTS, FIRE DAMPERS, NON MECHANICAL FIRE BARRIERS	Fire resistance E: integrity I: Thermal insulation S: Smoke control Element type: ventilation Ducts	EN 1366-1	E: Length measurement (cracks) Visual observations (flames) I: Temperature measurements S: Flow measurements (leakage rate)	x	x
MD25849		Fire resistance E: integrity I: Thermal insulation S: Smoke control Element type: Fire dampers	EN 1366-2	E: Length measurement (cracks) Visual observations (flames) I: Temperature measurements S: Flow measurements (leakage rate)	x	x
SI113030		Durability of operational reliability	EN 15650 (annex C)	Open & closing cycle tests for fire dampers	x	
MD25908		Fire resistance E: integrity I: Thermal insulation S: Smoke control Element type: Non-mechanical fire barrier for ventilation ductwork	EN 1366-12	E: Length measurement (cracks) Visual observations (flames) I: Temperature measurements S: Flow measurements (leakage rate)	x	

MD25890	SMOKE EXTRACTION DUCTS	Fire resistance E: integrity I: Thermal insulation S: Smoke control Element type: Smoke extraction ducts	EN 1366-8	E: Length measurement (cracks) Visual observations (flames) I: Temperature measurements S: Flow measurements (leakage rate)	x	x
MD25890		Fire resistance E: integrity I: Thermal insulation S: Smoke control Element type: Single compartment smoke extraction ducts	EN 1366-9	E: Length measurement (cracks) Visual observations (flames) I: Temperature measurements S: Flow measurements (leakage rate)	x	x
MD25891	SMOKE CONTROL DOORS	Smoke leakage Element type: Smoke control test for door and shutter assemblies	EN 1634-3	S200 and Sa: volume flow measurements (leakage rate)	x	
MD25875	MARINE CONSTRUCTIONS	Fire resistance Element type: Fire Dampers	MSC 307(88) - 2010 FTP Code Annex 1 Part 3 (appendix 2)	Integrity: Length measurement (cracks) Visual observations (flames). Thermal insulation: Temperature measurements. Radiation intensity: Radiation measurements.	x	

IV. Classification						
MD25889	BUILDING SYSTEMS	Classification	EN 13501-2	No equipment	x	
MD25889			EN 13501-3	No equipment	x	
MD25889			EN 13501-4	No equipment	x	
MD113041			EN 16035	No equipment	x	

Test code	Product/ Matrix	Measured property/ parameter (type of test)	Reference to test method	Test or measurement principle/measurement technique	Activity performed in following activity centres	
					Gent	Tisselt
Tests carried out within the framework of CE-marking according to the Regulation (EU) No 305/2011 - as notified test laboratory (AVCP 3) horizontal notification						
Reaction to fire						
MD25779	BUILDING MATERIALS & STRUCTURES	SBI	EN 13823	Oxygen depletion + smoke measurement : mass flow controller, thermocouples, differential pressure gauge, heatflux meter, laser + optical lenses, gas analyses equipment	x	
MD25782		Non combustibility	EN ISO 1182	Non combustibility : t° measurment with thermocouples , mass los with scale, visual observations of ichnation	x	
MD26494		Ignitibility	EN ISO 11925-2	Ignitibility : visual observation of flame spread (tape measure) / burning droplets + anemometer (windspeed)	x	
MD25786		Heat of combustion	EN ISO 1716	Gross heat of combustion; scale, thermocouples	x	

MD25783	FLOOR COVERINGS	Flammability	EN ISO 9239-1	Flammability of floor coverings, measurement : visual observation of flame spread (tape measure), heaflux meter (calibration panel), smoke measurement via optical lenses	x	
MD25764	ROOF STRUCTURES	External fire exposure	CEN/TS 1187 Test 1	Fire behaviour of roof constructions: burning brand alone / measurements : visual observation of flame spread (tape measure)	x	
MD25765		External fire exposure	CEN/TS 1187 Test 2	Fire behaviour of roof constructions: burning brand + wind / measurements : visual observation of flame spread (tape measure) ; calibration windspeed with anemometer	x	
MD25766		External fire exposure	CEN/TS 1187 Test 3	Fire behaviour of roof constructions: burning brand + wind + radiation / measurements : visual observation of flame spread (tape measure) ; calibration windspeed with anemometer , calibration panel with heatflux meter	x	

MD27098	ROOF STRUCTURES	External fire exposure	CEN/TS 1187 Test 4	Fire behaviour of roof constructions: burning brand + wind + radiation / measurements : visual observation of penetration ; calibration windspeed with differential pressure gauge , calibration panel with heatflux meter	x	
Resistance to Fire						
Loadbearing elements						
MD25874	BUILDING SYSTEMS	Fire resistance	EN 13381-1	Wall furnace & floor furnace / loading equipment thermocouples, visual observations (ex. Flames), cotton pad, mobile thermocouple, gap gauge	x	x
MD25866		Fire resistance	EN 13381-2	Wall furnace & floor furnace / loading equipment thermocouples, visual observations (ex. Flames), cotton pad, mobile thermocouple, gap gauge	x	
MD25867		Fire resistance	EN 13381-3	Wall furnace & floor furnace / loading equipment thermocouples, visual observations (ex. Flames), cotton pad, mobile thermocouple, gap gauge	x	x

MD25868	BUILDING SYSTEMS	Fire resistance	EN 13381-4	Wall furnace & floor furnace / loading equipment thermocouples, visual observations (ex. colapse)	x	x
MD25877		Fire resistance	EN 13381-8	Wall furnace & floor furnace / loading equipment thermocouples, visual observations (ex. colapse)	x	x
MD25862		Fire resistance	EN 1365-2	Wall furnace & floor furnace / loading equipment thermocouples, visual observations (ex. Flames), cotton pad, mobile thermocouple, gap gauge	x	x
MD25863		Fire resistance	EN 1365-3	Wall furnace & floor furnace / loading equipment thermocouples, visual observations (ex. colapse)	x	
MD25864		Fire resistance	EN 1365-4	Wall furnace & floor furnace / loading equipment thermocouples, visual observations (ex. colapse)	x	

MD25881	BUILDING SYSTEMS	Fire resistance	EN 1366-6	Wall furnace & floor furnace / loading equipment thermocouples, visual observations (ex. Flames), cotton pad, mobile thermocouple, gap gauge	x	
MD25880		Fire resistance	EN 1366-7	Wall furnace & floor furnace / loading equipment thermocouples, visual observations	x	
Non loadbearing elements						
MD25859	BUILDING SYSTEMS	Fire resistance	EN 1364-1	Wall furnace & floor furnace / thermocouples, visual observations (ex. Flames), cotton pad, mobile thermocouple, gap gauge	x	x
MD25860		Fire resistance	EN 1364-2	Wall furnace & floor furnace / thermocouples, visual observations (ex. Flames), cotton pad, mobile thermocouple, gap gauge	x	
MD25876		Fire resistance	EN 1364-4	Wall furnace & floor furnace / thermocouples, visual observations (ex. Flames), cotton pad, mobile thermocouple, gap gauge	x	

MD25878	TECHNICAL INSTALLATIONS	Fire resistance	EN 1366-3	Wall furnace & floor furnace / thermocouples, visual observations (ex. Flames), cotton pad, mobile thermocouple, gap gauge	x	x
MD25879		Fire resistance	EN 1366-4	Wall furnace & floor furnace / thermocouples, visual observations (ex. Flames), cotton pad, mobile thermocouple, gap gauge	x	x
MD25896	BUILDING SYSTEMS	Fire protection ability	EN 14135	Floor furnace / thermocouples, visual observations (ex. Damage of covering), visual observation after test to check for charing	x	x
MD25865	DOORS	Fire resistance	EN 1634-1	Wall furnace & floor furnace / thermocouples, visual observations (ex. Flames), cotton pad, mobile thermocouple, gap gauge	x	x

Smoke and air control systems						
SI25888	VENTILATION DUCTS, FIRE DAMPERS, NON MECHANICAL FIRE BARRIERS	Fire resistance	EN 1366-1	Wall furnace & floor furnace / volume flow measurement equipment; thermocouples, visual observations (ex. Flames), cotton pad, mobile thermocouple, gap gauge	x	x
MD25849		Fire resistance	EN 1366-2	Wall furnace & floor furnace / volume flow measurement equipment; thermocouples, visual observations (ex. Flames), cotton pad, mobile thermocouple, gap gauge	x	x
MD25881	TECHNICAL INSTALLATIONS	Fire resistance	EN 1366-7	Wall furnace & floor furnace / volume flow measurement equipment; thermocouples, visual observations	x	
MD25890	SMOKE EXTRACTION DUCTS SMOKE CONTROL DAMPERS	Fire resistance	EN 1366-8	Wall furnace & floor furnace / volume flow & oxygen measurement equipment; thermocouples, visual observations (ex. Flames), cotton pad, mobile thermocouple, gap gauge	x	x

MD25890	SMOKE EXTRACTION DUCTS SMOKE CONTROL DAMPERS	Fire resistance	EN 1366-9	Wall furnace & floor furnace / volume flow & oxygen measurement equipment; thermocouples, visual observations (ex. Flames), cotton pad, mobile thermocouple, gap gauge	x	x
MD25891	SMOKE CONTROL DOORS	Smoke leakage	EN 1634-3	Smoke control furnace / volume flow measurement euipment; leakage rate per joint, visual observations (ex. Cracks or damages)	x	

General code	Product/ Matrix	Measured property/ parameter	Test or measurement principle/measurement technique	Activity performed in following activity centres	
				Gent	Tisselt
FLEXIBLE SCOPE					
MD25903	BUILDING SYSTEMS: -non loadbearing walls -service installations -smoke control for door, shutter and openable window assemblies, including their elements of building hardware	Extended application	EN 15725 (**)(*) (+ general discription calculation/ extrapolation based on tests carried out)	x	
(*)The laboratory is authorised to carry out testing under accreditation, on all products within this group according to the corresponding standards for these products. This is only permitted provided a suitable validation has been carried out according to the laboratory's quality system. The laboratory keeps a detailed list for each applicant of all products and associated standards covered by the accreditation (see https://www.warringtonhttps://www.warringtonfire.com/locations/europe/gent)."					
(**) EXAP accreditation is accepted only if the results used for calculations are also covered by the accreditation.					

HISTORIEK BUP 2

Versie	Datum	Wijzigingen
1	26/02/2015	Opgemaakt o.b.v. DS33 en DS240
2	17/10/2017	Scope v15
3	23/01/2019	Element rebranding BUP 2b v3: EN 15882-4 toegevoegd
4	29/01/2020	Scope v17 ipv v15 Nieuw accreditatiecertificaat (17025:2017)
5	08/04/2020	BUP 2b v5: EN 15254-3 toegevoegd
6	31/03/2022	Nieuw BELAC-attest Scope: v20
7	24/04/2023	Scope: v21
8	15/04/2024	Scope: v22
9	05/09/2024	Scope: v23
10	23/07/2025	Nieuw BELAC accreditatiecertificaat Scope: v25 (geldig van 23/07/2025 tot 22/07/2030)
11	06/11/2026	Nieuw BELAC accreditatiecertificaat Scope: v26 (geldig van 27/10/2026 tot 22/07/2030)