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# 196-TEST

EN ISO/IEC 17025:2017

|                                                                |                         |
|----------------------------------------------------------------|-------------------------|
| Versie / Version / Version / Fassung                           | 25                      |
| Geldigheidsperiode / Validité /<br>Validity / Gültigkeitsdauer | 2025-07-23 - 2030-07-22 |

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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<br>9000 Gent |
| ETEX TISSELT | Bormstraat 24<br>2830 Tisselt             |

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

|         |                 |                                                                                            |                    |                                                                                                                                                                 |   |  |
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| MD27098 | ROOF STRUCTURES | External fire exposure:<br>1. burn time<br>2. flame spread distance<br>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 |  |
|         |                 | External fire exposure:<br>1. burn time<br>2. flame spread distance<br>3. penetration time | BS 476-3           | Measurements : visual observation of penetration /flame spread ; calibration windspeed with differential pressure gauge , calibration panel with heatflux meter | x |  |
| R-1/2/3 |                 | Classification<br>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<br>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<br>1. temperature difference $\Delta T$<br>2. mass loss $\Delta m$<br>3. sustained flaming                                                                                                                                                           | EN ISO 1182                  | Non combustibility : $t^{\circ}$ measurement with thermocouples , mass loss with scale, visual observations of ignition | x |  |
| MD26494 |                                 | Ignitibility<br>1. Flame spread (FS)<br>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<br>1. heat release ( $\text{kW/m}^2$ )<br>2. total heat release ( $\text{MJ/m}^2$ )<br>3. effective heat of combustion ( $\text{MJ/kg}$ )<br>4. mass loss ( $\text{g/m}^2$ )<br>5. TSP ( $\text{m}^2/\text{m}^2$ )<br>6. mahre ( $\text{kW/m}^2$ ) | ISO 5660 (cone)              | Oxygen depletion (heat release) + smoke measurement (infra red light system) + scale (mass loss)                        | x |  |
| MD25779 |                                 | 1. heat release<br>1.1 FIGRA ( $\text{W/s}$ )<br>1.2 THR ( $\text{MJ}$ )<br>2. smoke production<br>2.1 SMOGRA ( $\text{m}^2/\text{s}^2$ )<br>2.2 TSP ( $\text{m}^2$ )<br>3. lateral flame spread<br>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<br>PCS in MJ/kg                                                                                                                                    | EN ISO 1716<br>(bom calorie) | Gross heat of combustion                                                                                                                                                                          | x |  |
| MD25767  |                                 | Organic value<br>1. MOC in weight %                                                                                                                                   | EN 13820                     | Determinationn of organic<br>content via mass loss<br>measurement with scale                                                                                                                      | x |  |
| SI106879 |                                 | Classification<br>see measured properties in<br>individual test methods : EN<br>13820, EN ISO 1716, EN<br>13823, EN ISO 11925-2, EN<br>ISO 1182, EN ISO 9239-1        | EN 13501-1                   | R2F classification procedure for<br>construction products,<br>measurement on basis of results<br>of EN 13820, EN ISO 1716, EN<br>13823, EN ISO 11925-2, EN<br>ISO 1182, EN ISO 9239-1             | x |  |
| MD25773  |                                 | Extended application:<br>see measured properties in<br>individual test methods :<br>EN 13820, EN ISO 1716, EN<br>13823, EN ISO 11925-2, EN<br>ISO 1182, EN ISO 9239-1 | EN 15725                     | Exap rules for extending field of<br>application EN 13501-1<br>reports measurement on basis<br>of results of EN 13820, EN ISO<br>1716, EN 13823, EN ISO<br>11925-2, EN ISO 1182, EN ISO<br>9239-1 | x |  |
|          |                                 |                                                                                                                                                                       | CEN/TS 15117                 |                                                                                                                                                                                                   | x |  |

|                 |                      |                                                                                                   |                          |                                                                                                                                                       |   |   |
|-----------------|----------------------|---------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|
| MD25783         | FLOOR COVERINGS      | Flammability<br>1. critical flux in kW/m <sup>2</sup><br>2. total smoke production TLA (%.minute) | EN ISO 9239-1 (flooring) | Measurement : visual observation of flame spread (tape measure), heatflux meter (calibration panel), smoke measurement via optical lenses             | x |   |
| MD25774         | SCREENS              | Flammability:<br>1. flame spread<br>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<br>Stability in case of fire                                                      | NBN 713-020              | Stability:<br>Visual observations (Parts of specimen falling down)                                                                                    | x |   |

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

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

|          |                         |                                                                                                                               |             |                                                                                                                                     |   |   |
|----------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------|---|---|
| MD25878  | TECHNICAL INSTALLATIONS | Fire resistance<br>E: integrity<br>I: Thermal insulation<br>Element type: Penetration seals                                   | EN 1366-3   | E:<br>Length measurement (cracks)<br>Visual observations (flames)<br>I:<br>Temperature measurements                                 | x | x |
| MD25879  |                         | Fire resistance<br>E: integrity<br>I: Thermal insulation<br>W: Radiation<br>Element type: Linear joint seals                  | EN 1366-4   | E:<br>Length measurement (cracks)<br>Visual observations (flames)<br>I:<br>Temperature measurements<br>W:<br>Radiation measurements | x | x |
| MD27645  |                         | Fire resistance<br>E: integrity<br>I: Thermal insulation<br>Element type: Service ducts and shafts                            | EN 1366-5   | E:<br>Length measurement (cracks)<br>Visual observations (flames)<br>I:<br>Temperature measurements                                 | x |   |
| MD25881  |                         | Fire resistance<br>E: integrity<br>I: Thermal insulation<br>W: Radiation<br>Element type: Conveyor systems and their closures | EN 1366-7   | E:<br>Length measurement (cracks)<br>Visual observations (flames)<br>I:<br>Temperature measurements<br>W:<br>Radiation measurements | x |   |
| IN243    |                         | Fire resistance<br>Element type: Fire protective systems for cable systems and 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<br>Element type: 'Open-State' Cavity Barriers                                                                 | ASFP TGD 19 | Integrity: Visual observations (flames). Thermal insulation: Temperature measurements.                                              | x |   |

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

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

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

|         |                        |                                                                                                                                         |                                                            |                                                                                                                                                                                   |   |   |
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| MD25890 | SMOKE EXTRACTION DUCTS | Fire resistance<br>E: integrity<br>I: Thermal insulation<br>S: Smoke control<br>Element type: Smoke extraction ducts                    | EN 1366-8                                                  | E:<br>Length measurement (cracks)<br>Visual observations (flames)<br>I:<br>Temperature measurements<br>S:<br>Flow measurements (leakage rate)                                     | x | x |
| MD25890 |                        | Fire resistance<br>E: integrity<br>I: Thermal insulation<br>S: Smoke control<br>Element type: Single compartment smoke extraction ducts | EN 1366-9                                                  | E:<br>Length measurement (cracks)<br>Visual observations (flames)<br>I:<br>Temperature measurements<br>S:<br>Flow measurements (leakage rate)                                     | x | x |
| MD25891 | SMOKE CONTROL DOORS    | Smoke leakage<br>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<br>Element type: Fire Dampers                                                                                           | MSC 307(88) - 2010 FTP Code<br>Annex 1 Part 3 (appendix 2) | Integrity:<br>Length measurement (cracks)<br>Visual observations (flames).<br>Thermal insulation:<br>Temperature measurements.<br>Radiation intensity:<br>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/<br>Matrix              | Measured property/<br>parameter<br>(type of test) | Reference to test<br>method | Test or measurement<br>principle/measurement<br>technique                                                                                                                                 | Activity performed in following activity<br>centres |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------|
|                                                                                                                                                                        |                                 |                                                   |                             |                                                                                                                                                                                           | Gent                                                | Tisselt |
| Tests carried out within the framework of CE-marking according to the Regulation (EU) No 305/2011<br>- as notified test laboratory (AVCP 3)<br>horizontal notification |                                 |                                                   |                             |                                                                                                                                                                                           |                                                     |         |
| Reaction to fire                                                                                                                                                       |                                 |                                                   |                             |                                                                                                                                                                                           |                                                     |         |
| MD25779                                                                                                                                                                | BUILDING MATERIALS & STRUCTURES | SBI                                               | EN 13823                    | Oxygen depletion + smoke<br>measurement : mass flow<br>controller, thermocouples,<br>differential pressure gauge,<br>heatflux meter, laser +<br>optical lenses, gas analyses<br>equipment | x                                                   |         |
| MD25782                                                                                                                                                                |                                 | Non combustibility                                | EN ISO 1182                 | Non combustibility : t°<br>measurment with<br>thermocouples , mass los<br>with scale, visual<br>observations of ichnation                                                                 | x                                                   |         |
| MD26494                                                                                                                                                                |                                 | Ignitibility                                      | EN ISO 11925-2              | Ignitibility : visual<br>observation of flame<br>spread (tape measure) /<br>burning droplets +<br>anemometer (windspeed)                                                                  | x                                                   |         |
| MD25786                                                                                                                                                                |                                 | Heat of combustion                                | EN ISO 1716                 | Gross heat of combustion;<br>scale, thermocouples                                                                                                                                         | x                                                   |         |

|         |                 |                        |                    |                                                                                                                                                                                                                           |   |  |
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| MD25783 | FLOOR COVERINGS | Flammability           | EN ISO 9239-1      | Flammability of floor coverings, measurement : visual observation of flame spread (tape measure), heatflux 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 |

|         |                  |                 |            |                                                                                                                                              |   |   |
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| 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 charring | 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,<br>FIRE DAMPERS,<br>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<br>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<br>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 equipment; 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:<br>-non loadbearing walls<br>-service installations<br>-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.<br>The laboratory keeps a detailed list for each applicant of all products and associated standards covered by the accreditation (see <a href="https://www.warringtonhttps://www.warringtonfire.com/locations/europe/gent/">https://www.warringtonhttps://www.warringtonfire.com/locations/europe/gent/</a> ). |                                                                                                                                                                                         |                              |                                                                                                 |                                                  |         |
| (**) EXAP accreditation is accepted only if the results used for calculations are also covered by the accreditation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                         |                              |                                                                                                 |                                                  |         |



Organisme belge d'Accréditation  
Belgische Accreditatieinstelling  
Belgische Akkreditierungsstelle  
Belgian Accreditation Body

EA MLA Signatory

## Accreditatiecertificaat nr. 196-TEST

In uitvoering van de beschikkingen van het koninklijk besluit van 31 januari 2006 tot oprichting van BELAC, verklaart het Accreditatiebureau accreditatie conform de eisen van de norm EN ISO/IEC 17025:2017 te hebben verleend aan:

**WFRGENT nv**  
**Ottergemsesteenweg-Zuid 711**  
**9000 Gent**

Ondernemingsnummer: 0870.418.414

De instelling heeft aangetoond bekwaamheid te bezitten voor de activiteiten uitgevoerd in de activiteitencentra zoals gespecificeerd in de accreditatiescope 196-TEST die integraal deel uitmaakt van dit certificaat.

De huidige versie van de accreditatiescope is beschikbaar op [www.belac.be](http://www.belac.be).

Dit certificaat blijft geldig onder voorwaarde dat de instelling blijft voldoen aan de accreditatievoorwaarden.

De Voorzitster van het Accreditatiebureau BELAC,

Maureen LOGGHE

Versie : 10

Geldigheidsduur : 2025-07-23 - 2030-07-22



Organisme belge d'Accréditation  
Belgische Accreditatieinstelling  
Belgische Akkreditierungsstelle  
Belgian Accreditation Body

EA MLA Signatory

## Accreditation Certificate No. 196-TEST

In compliance with the provisions of the Royal Decree of 31 January 2006 setting up BELAC, the Accreditation Board hereby declares to have granted accreditation conform the requirements of the standard EN ISO/IEC 17025:2017 to:

**WFRGENT nv**

**Ottergemsesteenweg-Zuid 711**

**9000 Gent**

**Enterprise number: 0870.418.414**

The body demonstrated the competence to perform the activities in the activity sites, as described in the scope of accreditation 196-TEST which is an integral part of the present certificate.

The current version of the scope of accreditation is available at [www.belac.be](http://www.belac.be).

This certificate remains valid as long as the body continues to meet the accreditation conditions.

The Chair of the Accreditation Board BELAC,

Maureen LOGGHE

Version : 10

Validity period : 2025-07-23 - 2030-07-22

*Original version of this certificate is in Dutch.*



Organisme belge d'Accréditation  
Belgische Accreditatieinstelling  
Belgische Akkreditierungsstelle  
Belgian Accreditation Body

EA MLA Signatory

## Certificat d'Accréditation n° 196-TEST

En application des dispositions de l'arrêté royal du 31 janvier 2006 créant BELAC, le Bureau d'Accréditation atteste avoir délivré une accréditation conformément aux exigences de la norme EN ISO/IEC 17025:2017 à:

**WFRGENT nv**

**Ottergemsesteenweg-Zuid 711**

**9000 Gent**

**Numéro d'entreprise: 0870.418.414**

L'organisme a démontré posséder la compétence pour effectuer les activités réalisées dans les sites d'activités mentionnés dans la portée d'accréditation 196-TEST qui fait partie intégrante du présent certificat.

La version en vigueur de la portée d'accréditation est disponible via [www.belac.be](http://www.belac.be).

Ce certificat reste valable à condition que l'organisme continue de répondre aux conditions d'accréditation.

La Présidente du Bureau d'Accréditation BELAC,

Maureen LOGGHE

Version : 10

Période de validité : 2025-07-23 - 2030-07-22

*La version originale de ce certificat est en néerlandais.*



Organisme belge d'Accréditation  
Belgische Accreditatieinstelling  
Belgische Akkreditierungsstelle  
Belgian Accreditation Body

EA MLA Signatory

## Akkreditierungszertifikat Nr. 196-TEST

Aufgrund der Bestimmungen des königlichen Erlasses vom 31. Januar 2006 zur Gründung von BELAC, bestätigt das Akkreditierungsbüro, gemäß den Vorschriften der Norm EN ISO/IEC 17025:2017, die folgende Stelle akkreditiert zu haben:

**WFRGENT nv**  
**Ottergemsesteenweg-Zuid 711**  
**9000 Gent**  
Unternehmensnummer: 0870.418.414

Die Stelle hat ihre Kompetenz für die in den Aktivitätszentren durchgeführten Aktivitäten gemäß dem Geltungsbereich der Akkreditierung 196-TEST, der ein integraler Bestandteil des vorliegenden Zertifikats ist, nachgewiesen.

Die aktuelle Version des Geltungsbereichs der Akkreditierung ist unter [www.belac.be](http://www.belac.be) verfügbar.

Dieses Zertifikat bleibt unter der Bedingung gültig, dass die Stelle die Akkreditierungsanforderungen weiterhin erfüllt.

Die Vorsitzende des Akkreditierungsbüros BELAC,

Maureen LOGGHE

Fassung : 10

Gültigkeitsdauer : 2025-07-23 - 2030-07-22

*Die Originalfassung dieses Zertifikats ist in niederländischer Sprache.*

## 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<br>BUP 2b v3: EN 15882-4 toegevoegd                                   |
| 4      | 29/01/2020 | Scope v17 ipv v15<br>Nieuw accreditatiecertificaat (17025:2017)                          |
| 5      | 08/04/2020 | BUP 2b v5: EN 15254-3 toegevoegd                                                         |
| 6      | 31/03/2022 | Nieuw BELAC-atteest<br>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<br>Scope: v25 (geldig van 23/07/2025 tot 22/07/2030) |