



**INSTITUT IMS AD  
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**Institute for testing materials  
Provider IMS Institute – PIMS**  
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### IMS INSTITUTE PROVIDER PROGRAMME FOR 2020

| Programme (scheme) code | Type of scheme<br>Category of scheme:<br>sim/seq/qual/quan | PT activity domain                 |                 |   | Period of implementation       |                              |                            |   |                        | Minimum participants | Cost per property/parameter (€)** |
|-------------------------|--|------------------------------------|-----------------|---|--------------------------------|------------------------------|----------------------------|---|------------------------|----------------------|-----------------------------------|
|                         |  | Subject of testing/product         | Testing method  | Properties/Parameters                               | Application<br>(date/deadline) | Test item shipment<br>(date) | Results delivery<br>(date) | Test item return**<br>(delivery deadline) | Final Report<br>(date) |                      |                                   |
| PIO KAG/fm<br>01/20     | split sample scheme<br>(simultaneous quantitative)         | natural stone aggregate<br>4÷8 mm  | EN 933-3*       | flakiness index                                     | 27.01.20.                      | 18.02.20.                    | 03.03.20.                  | -   | 24.03.20.              | 9                    | 110                               |
|                         |  |                                    | EN 933-4        | shape index   |                                |                              |                            |   |                        |                      | 130                               |
|                         |  | natural stone aggregate<br>8÷16 mm | EN 1097-1       | resistance to wear<br>(micro-Deval)                 |                                |                              |                            |   |                        |                      | 150                               |
| PIO CEM/h<br>01/20      | split sample scheme<br>(simultaneous quantitative)         | cement                             | EN 196-2<br>a.4 | wet chemistry<br>chemical analyses                  | 27.01.20.                      | 18.02.20.                    | 03.03.20.                  | -   | 30.04.20.              | 7                    | 180                               |
|                         |  |                                    | EN 196-2        | XRF spectroscopy<br>chemical analyses               |                                |                              |                            |   |                        |                      | 180                               |
|                         |  |                                    | EN 196-10       | water-soluble<br>chromium (VI)<br>content of cement |                                |                              |                            |   |                        |                      | 120                               |

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| PIO CEM/h<br>01.1/20    | split sample scheme (simultaneous quantitative)            | cement                     | EN 196-2 a.4      | wet chemistry chemical analyses  | 21.02.20.                   | 22.04.20.                 | 08.05.20.               | -                                      | 01.06.20.           | 7                    | 180                                |
|                         |  |                            | EN 196-2 a.5      | XRF spectroscopy chemical analyses   |                             |                           |                         |  |                     |                      | 180                                |
|                         |  |                            | EN 196-10         | water-soluble chromium (VI) content of cement                                    |                             |                           |                         |  |                     |                      | 120                                |
| PIO OPC/f<br>01/20      | split sample scheme (simultaneous quantitative)            | clay bricks                | EN 772-3          | net volume and percentage of voids of clay masonry units by hydrostatic weighing | 13.03.20.                   | 10.04.20.                 | 05.05.20.               | -                                      | 01.06.20.           | 7                    | 90                                 |
|                         |  |                            | EN 772-11, a. 8.3 | initial rate of water absorption   |                             |                           |                         |  |                     |                      | 90                                 |
|                         |  |                            | EN 772-13, a. 7.2 | dry net bulk density   |                             |                           |                         |  |                     |                      | 80                                 |
|                         |  |                            | EN 772-13, a. 7.3 | dry gross bulk density   |                             |                           |                         |  |                     |                      | 80                                 |
|                         |  |                            | EN 772-16, a. 7.1 | dimensions   |                             |                           |                         |  |                     |                      | 90                                 |
|                         |  |                            | EN 772-21         | water absorption by cold water   |                             |                           |                         |  |                     |                      | 90                                 |

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| PIO OPC/f<br>01.1/20    | split sample scheme (simultaneous quantitative)            | clay bricks                          | EN 772-3                 | net volume and percentage of voids of clay masonry units by hydrostatic weighing | 13.03.20.                   | 21.05.20.                 | 05.06.20.               | -                                      | 30.06.20.           | 7                    | 90                                 |
|                         |  |                                      | EN 772-11, a. 8.3        | initial rate of water absorption   |                             |                           |                         |  |                     |                      | 90                                 |
|                         |  |                                      | EN 772-13, a. 7.2        | dry net bulk density   |                             |                           |                         |  |                     |                      | 80                                 |
|                         |  |                                      | EN 772-13, a. 7.3        | dry gross bulk density   |                             |                           |                         |  |                     |                      | 80                                 |
|                         |  |                                      | EN 772-16, a. 7.1        | dimensions   |                             |                           |                         |  |                     |                      | 90                                 |
|                         |  |                                      | EN 772-21                | water absorption by cold water   |                             |                           |                         |  |                     |                      | 90                                 |
| PIO BUK/a<br>01/20      | comparing measurements (simultaneous quantitative)         | environmental noise level (outdoors) | ISO 1996-1<br>ISO 1996-2 | $L_{Aeq}, L_{AFmin}, L_{AFmax}, L_{AF5}, L_{AF50}, L_{AF95}$                     | 04. ÷ 08. (5.7.20.)         | 04. ÷ 08. (5.7.20.)       |                         | 12.06.20.                              | 11                  | 260                  |                                    |
| PIO BUK/a<br>01.1/20    | comparing measurements (simultaneous quantitative)         | environmental noise level (outdoors) | ISO 1996-1<br>ISO 1996-2 | $L_{Aeq}, L_{AFmin}, L_{AFmax}, L_{AF5}, L_{AF50}, L_{AF95}$                     | 05.06.20.                   | 22. ÷ 26. 06.20.          | 22. ÷ 26. 06.20.        | -                                      | 07.07.20.           | 11                   | 260                                |

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| PIO BIT/f<br>01/20      | split sample scheme (simultaneous quantitative)            | bitumen                    | EN 1426        | needle penetration   | 15.06.20.                   | 07.07.20.                 | 21.07.20.               | -                                      | 30.07.20.           | 9                    | 120                                |
|                         |  |                            | EN 1427        | softening point – ring and ball method                                 |                             |                           |                         |  |                     |                      | 120                                |
|                         |  |                            | EN 15326       | density  |                             |                           |                         |  |                     |                      | 120                                |
| PIO BIT/f<br>01.1/20    | split sample scheme (simultaneous quantitative)            | bitumen                    | EN 1426        | needle penetration   | 15.06.20.                   | 07.07.20.                 | 21.07.20.               | -                                      | 30.07.20.           | 9                    | 120                                |
|                         |  |                            | EN 1427        | softening point – ring and ball method                                 |                             |                           |                         |  |                     |                      | 120                                |
|                         |  |                            | EN 15326       | Density  |                             |                           |                         |  |                     |                      | 120                                |
| PIO ZIZ/a<br>01/20      | comparing measurements (sequential quantitative)           | ceiling                    | EN ISO 16283-1 | airborne sound insulation R' <sub>w</sub> in 100 Hz to 5 kHz frequency | 08.06.20.                   | 22. ÷ 26.06.20.           | 22. ÷ 26.06.20.         | -                                      | 03.08.20.           | 5                    | 250                                |
|                         |  |                            | EN ISO 16283-2 | impact sound insulation L' <sub>n</sub> in 100 Hz to 5 kHz frequency   |                             |                           |                         |  |                     |                      | 250                                |

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| PIO ZIZ/a<br>01.1/20    | comparing measurements (sequential quantitative) | ceiling                             | EN ISO 16283-1           | airborne sound insulation R' in 100 Hz to 5 kHz frequency  | 22.06.20.                   | 13. ÷ 17. 07.20.          | 13. ÷ 17. 07.20.        | -                                      | 07.08.20.           | 5                    | 250                                |
|                         |  |                                     | EN ISO 16283-2           | impact sound insulation L'n in 100 Hz to 5 kHz frequency   |                             |                           |                         |  |                     |                      | 250                                |
| PIO KER/fm<br>01/20     | split sample scheme (simultaneous quantitative)  | ceramic tiles                       | EN ISO 10545-2           | determination of dimensions  | 10.08.20.                   | 04.09.20.                 | 02.10.20.               | -                                      | 23.10.20.           | 7                    | 150                                |
|                         |  |                                     | EN ISO 10545-4           | determination of modulus of rupture and breaking strength  |                             |                           |                         |  |                     |                      | 300                                |
| PIO BUK/a<br>02/20      | comparing measurements (sequential quantitative) | environmental noise level (indoors) | ISO 1996-1<br>ISO 1996-2 | L <sub>Aeq</sub> , L <sub>Aeq,63Hz(1/1)</sub> ,<br>L <sub>Aeq,125Hz(1/1)</sub> ,<br>L <sub>Aeq,250Hz(1/1)</sub> ,<br>L <sub>Aeq,500Hz(1/1)</sub> ,<br>L <sub>Aeq,1kHz(1/1)</sub> ,<br>L <sub>Aeq,2kHz(1/1)</sub> ,<br>L <sub>Aeq,4kHz(1/1)</sub> ,<br>L <sub>Aeq,8kHz(1/1)</sub> | 07.09.20.                   | 21. ÷ 25. 09.20.          | 21. ÷ 25. 09.20.        | -                                      | 30.10.20.           | 9                    | 260                                |

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| PIO OTP/h 01/20         | split sample scheme (simultaneous quantitative) | inorganic solid waste           | EN 15309*        | instrumental method   | 05.10.20.                   | 02.11.20.                 | 04.12.20.               | -                                      | 28.12.20.           | 7                    | 250                                |
| PIO KAG/fm 02/20        | split sample scheme (simultaneous quantitative) | natural stone aggregate 4÷16 mm | EN 933-1         | determination of particle size distribution – after washing | 16.10.20.                   | 16.11.20.                 | 07.12.20.               | -                                      | 11.01.21.           | 13                   | 220                                |
| PIO TIZ/fm 01/20        | split sample scheme (simultaneous quantitative) | thermal insulation in buildings | EN 822 ÷ EN 825* | length, width, thickness, squareness and flatness           | 09.11.20.                   | 07.12.20.                 | 21.12.20.               | -                                      | 29.01.21.           | 7                    | 100                                |
|                         |   |                                 | EN 826*          | compression behavior  |                             |                           |                         |  |                     |                      | 120                                |
|                         |   |                                 | EN 12089*        | bending behavior  |                             |                           |                         |  |                     |                      | 150                                |

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| PIO<br>CEM/fm<br>02/20  | split sample scheme<br>(simultaneous quantitative)         | cement                     | SRPS<br>B.C8.023   | bulk density                                   | 01.12.20.                      | 18.12.20.                    | -                          | 29.01.21.                                 | 26.02.21.              | 13                   | 60                                 |
|                         |  |                            | EN 196-1           | prism mass                                     |                                |                              |                            |   |                        |                      | 50                                 |
|                         |  |                            |                    | flexural strength<br>(after 2, 7 & 28 days)    |                                |                              |                            |   |                        |                      | 140                                |
|                         |  |                            |                    | compressive strength<br>(after 2, 7 & 28 days) |                                |                              |                            |   |                        |                      | 140                                |
|                         |  |                            | EN 196-3           | standard consistency water content             |                                |                              |                            |   |                        |                      | 50                                 |
|                         |  |                            |                    | determination of setting times                 |                                |                              |                            |   |                        |                      | 80                                 |
|                         |  |                            |                    | soundness                                      |                                |                              |                            |   |                        |                      | 50                                 |
|                         |  |                            | EN 196-6<br>a.3    | sieving method (90 and 45 µm)                  |                                |                              |                            |   |                        |                      | 50                                 |
|                         |  |                            | EN 196-6<br>a.4    | air permeability – Blaine method               |                                |                              |                            |   |                        |                      | 80                                 |
|                         |  |                            | EN 196-8           | heat of hydration                              |                                |                              |                            |   |                        |                      | 90                                 |
| EN 196-9*               | heat of hydration  | 80                         |                    |  |                                |                              |                            |   |                        |                      |                                    |

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