

## DECLARATION OF PERFORMANCE

### NR KG-ABK 2,0/400/3/2014

1. The unique identification code of the product:  
**KG-ABK 2,0/400**
2. The number of the type, part or series or another element enabling the identification of the construction product, required according to art. 11 item 4:  
**KG-ABK 2,0/400/590/240/width/frontal area/dd.mm.rrrr**  
(placed on the labelling with CE marking)
3. The intended application or applications of the constructional article foreseen by the producer according to the applicable harmonized specification:  
**The wall elements from autoclaved cellular concrete category I according to EN 771-4: 2011 (PN-EN 771-4:2012P) to make wall constructions with simple and thin joints, walls: supporting walls and non-bearing walls, inner and outside (finished), single- and multi-layered, with and without insulation.**
4. The name, the registered trade name or the registered trademark and the contact address of the producer, required in accordance with art. 11 item 5:  
**SOLBET KOLBUSZOWA S.A.**  
**ul. Kolejowa 10, 36-100 Kolbuszowa**
5. In relevant cases, the name and the contact address of the authorised representative, whose authorisation includes the tasks defined in art. 12 item 2:  
**N/A**
6. The system or the systems of evaluation and verification of the performance stability of the construction product defined in appendix V:  
**System 2+ for all the basic characteristics**
7. The construction product included in the harmonized standard:  
**The notified certification unit no. 1487, the Institute of Ceramics and Building Materials, the Concrete Research Centre CEBET in Warsaw, ul. Kupiecka 4, 03-042 Warsaw, made an initial inspection of the production plant and the plant production control, it conducts the constant supervision, assessment and evaluations of the plant production control according to the system 2+ and issued the certificate of the plant production control on this basis: 1487-CPR-16/ZKP/05<sup>2</sup>**
8. The construction product included in the European Technical Assessment (ETA):  
**N/A**

| Basic characteristics                 |  | Performance  | Harmonized technical specification   |
|---------------------------------------|--|--|--------------------------------------|
| Dimensions and dimensional deviations | Length                                 | 590 [mm]   | EN 771-4:2011<br>(PN-EN 771-4:2012P) |
|                                       | Width                                  | 60, 80, 100, 120, 150, 180, 200, 240, 300, 360, 380, 420 [mm]  |                                      |
|                                       | Height                                 | 240 [mm]   |                                      |
|                                       | Deviations                             | TLMB   |                                      |
| Shape and construction                |  | Cuboid with frontal areas<br>N - smooth<br>P - with tongue<br>W - with grooves<br>U - with the assembly holder |                                      |
| Compressive strength                  | Average compressive strength           | > 2,0 [N/mm <sup>2</sup> ]   |                                      |
|                                       | Declared class of compressive strength | 2,0 [N/mm <sup>2</sup> ]   |                                      |

|   |  |                               |  |
|---|--|-------------------------------|--|
| Dimensional stability                                     | Shrinkage in the wet environment   | 0,23 [mm/m]                   | PN-EN 771-4:2012P  |
| Joint strength for mortar of general use and light mortar | Joint shear strength   | 0,15 [N/mm <sup>2</sup> ]     | EN 771-4:2011 (PN-EN 771-4:2012P) (the value established in accordance with PN-EN 998-2:2012 appendix C) |
| Joint strength made of any mortar for thin joints         | Joint shear strength   | 0,30 [N/mm <sup>2</sup> ]     | EN 771-4:2011 (PN-EN 771-4:2012P) (the value established in accordance with PN-EN 998-2:2012 appendix C) |
|   | Joint flexural strength in the parallel plane to bed joints                                  | 0,07 [N/mm <sup>2</sup> ]     | EN 771-4:2011 (PN-EN 771-4:2012P) (the value established in accordance with PN-EN 1996-1-1)              |
|   | Joint flexural strength in the perpendicular plane to bed joints, frontal unfulfilled joints | 0,07 [N/mm <sup>2</sup> ]     |  |
|   | Joint flexural strength in the perpendicular plane to bed joints, frontal fulfilled joints   | 0,05 [N/mm <sup>2</sup> ]     |  |
| Reaction to fire performance                              |  | Euroclass A1                  | EN 771-4:2011 (PN-EN 771-4:2012P)  |
| Water absorption  |  | NPD                           |  |
| Water vapour permeability                                 |  | 5/10                          |  |
| Insulation against direct air sounds                      | The declared gross density value   | 375 ± 25 [kg/m <sup>3</sup> ] |  |
|   | Shape and construction   | As above                      |  |
|   | Dimensions and deviations  | As above                      |  |
| Thermal properties  | The declared coefficient of heat transfer ( $\lambda_{D10}$ )                                | 0,100 [W/(m·K)]               |  |
| Stability   | Freeze/thaw resistance   | Freezeproof product           |  |
| Dangerous substances                                      |  | None                          |  |

9. The declared performance:

10. The performance of the product defined in points 1 and 2, in accordance with the declared performance in point 9.

**This declaration of performance has been issued at the producer's sole responsibility defined in point 4.**

Signed on behalf of the producer:

Głogów Młp. 10.07.2014

(Dated in)

Kierownik Kontroli Jakości  
Przedsiębiorstwa  
Kierownik Kontroli Jakości i Laboratorium

.....  
(imię, nazwisko i podpis osoby upoważnionej)



**DECLARATION OF PERFORMANCE**  
**NR KG-ABK 2,5/500/2/2014**

1. The unique identification code of the product:  
**KG-ABK 2,5/500**
2. The number of the type, part or series or another element enabling the identification of the construction product, required according to art. 11 item 4:  
**KG-ABK 2,5/500/590/240/width/frontal area/dd.mm.rrrr**  
(placed on the labelling with CE marking)
3. The intended application or applications of the constructional article foreseen by the producer according to the applicable harmonized specification:  
**The wall elements from autoclaved cellular concrete category I according to EN 771-4: 2011 (PN-EN 771-4:2012P) to make wall constructions with simple and thin joints, walls: supporting walls and non-bearing walls, inner and outside (finished), single- and multi-layered, with and without insulation.**
4. The name, the registered trade name or the registered trademark and the contact address of the producer, required in accordance with art. 11 item 5:  
**SOLBET KOLBUSZOWA S.A.**  
**ul. Kolejowa 10, 36-100 Kolbuszowa**
5. In relevant cases, the name and the contact address of the authorised representative, whose authorisation includes the tasks defined in art. 12 item 2:  
**N/A**
6. The system or the systems of evaluation and verification of the performance stability of the construction product defined in appendix V:  
**System 2+ for all the basic characteristics**
7. The construction product included in the harmonized standard:  
**The notified certification unit no. 1487, the Institute of Ceramics and Building Materials, the Concrete Research Centre CEBET in Warsaw, ul. Kupiecka 4, 03-042 Warsaw, made an initial inspection of the production plant and the plant production control, it conducts the constant supervision, assessment and evaluations of the plant production control according to the system 2+ and issued the certificate of the plant production control on this basis: 1487-CPR-16/ZKP/05<sup>2</sup>**
8. The construction product included in the European Technical Assessment (ETA):  
**N/A**

| Basic characteristics                 |  | Performance  | Harmonized technical specification   |
|---------------------------------------|--|--|--------------------------------------|
| Dimensions and dimensional deviations | Length                                 | 590 [mm]   | EN 771-4:2011<br>(PN-EN 771-4:2012P) |
|                                       | Width                                  | 60, 80, 100, 120, 150, 180, 200, 240, 300, 360, 380, 420 [mm]  |                                      |
|                                       | Height                                 | 240 [mm]   |                                      |
|                                       | Deviations                             | TLMB   |                                      |
| Shape and construction                |  | Cuboid with frontal areas<br>N – smooth<br>P – with tongue<br>W – with grooves<br>U – with the assembly holder |                                      |
| Compressive strength                  | Average compressive strength           | > 2,5 [N/mm <sup>2</sup> ]   |                                      |
|                                       | Declared class of compressive strength | 2,5 [N/mm <sup>2</sup> ]   |                                      |

|   |  |                              |  |
|---|--|------------------------------|--|
| Dimensional stability                                     | Shrinkage in the wet environment   | 0,30 [mm/m]                  | PN-EN 771-4:2012P  |
| Joint strength for mortar of general use and light mortar | Joint shear strength   | 0,15 [N/mm <sup>2</sup> ]    | EN 771-4:2011 (PN-EN 771-4:2012P) (the value established in accordance with PN-EN 998-2:2012 appendix C) |
| Joint strength made of any mortar for thin joints         | Joint shear strength   | 0,30 [N/mm <sup>2</sup> ]    | EN 771-4:2011 (PN-EN 771-4:2012P) (the value established in accordance with PN-EN 998-2:2012 appendix C) |
|   | Joint flexural strength in the parallel plane to bed joints                                  | 0,09 [N/mm <sup>2</sup> ]    | EN 771-4:2011 (PN-EN 771-4:2012P) (the value established in accordance with PN-EN 1996-1-1)              |
|   | Joint flexural strength in the perpendicular plane to bed joints, frontal unfulfilled joints | 0,09 [N/mm <sup>2</sup> ]    |  |
|   | Joint flexural strength in the perpendicular plane to bed joints, frontal fulfilled joints   | 0,06 [N/mm <sup>2</sup> ]    |  |
| Reaction to fire performance                              |  | Euroklasa A1                 | EN 771-4:2011 (PN-EN 771-4:2012P)  |
| Water absorption  |  | NPD                          |  |
| Water vapour permeability                                 |  | 5/10                         |  |
| Insulation against direct air sounds                      | The declared gross density value   | 475 ±25 [kg/m <sup>3</sup> ] |  |
|   | Shape and construction   | As above                     |  |
|   | Dimensions and deviations  | As above                     |  |
| Thermal properties  | The declared coefficient of heat transfer ( $\lambda_{D10}$ )                                | 0,130 [W/(m·K)]              |  |
| Trwałość  | Freeze/thaw resistance   | Freezeproof product          |  |
| Dangerous substances                                      |  | None                         |  |

9. The declared performance:

10. The performance of the product defined in points 1 and 2, in accordance with the declared performance in point 9.

**This declaration of performance has been issued at the producer's sole responsibility defined in point 4.**

Signed on behalf of the producer:

Głogów Młp. 10.07.2014

(Dated in)

Kierownik Kontroli Jakości  
Przedsiębiorstwa  
Kierownik Kontroli Jakości i Laboratorium

.....  
(imię, nazwisko i podpis osoby upoważnionej)



**DECLARATION OF PERFORMANCE**  
**NR KG-ABK 3,0/600/1/2014**

- The unique identification code of the product:  
**KG-ABK 3,0/600**
- The number of the type, part or series or another element enabling the identification of the construction product, required according to art. 11 item 4:  
**KG-ABK 3,0/600/590/240/width/frontal area/dd.mm.rrrr**  
(placed on the labelling with CE marking)
- The intended application or applications of the constructional article foreseen by the producer according to the applicable harmonized specification:  
**The wall elements from autoclaved cellular concrete category I according to EN 771-4: 2011 (PN-EN 771-4:2012P) to make wall constructions with simple and thin joints, walls: supporting walls and non-bearing walls, inner and outside (finished), single- and multi-layered, with and without insulation.**
- The name, the registered trade name or the registered trademark and the contact address of the producer, required in accordance with art. 11 item 5:  
**SOLBET KOLBUSZOWA S.A.**  
**ul. Kolejowa 10, 36-100 Kolbuszowa**
- In relevant cases, the name and the contact address of the authorised representative, whose authorisation includes the tasks defined in art. 12 item 2:  
**N/A**
- The system or the systems of evaluation and verification of the performance stability of the construction product defined in appendix V:  
**System 2+ for all the basic characteristics**
- The construction product included in the harmonized standard:  
**The notified certification unit no. 1487, the Institute of Ceramics and Building Materials, the Concrete Research Centre CEBET in Warsaw, ul. Kupiecka 4, 03-042 Warsaw, made an initial inspection of the production plant and the plant production control, it conducts the constant supervision, assessment and evaluations of the plant production control according to the system 2+ and issued the certificate of the plant production control on this basis: 147-CPR-16/ZKP/05<sup>2</sup>**
- The construction product included in the European Technical Assessment (ETA):  
**N/A**

| Basic characteristics                 |  | Performance  | Harmonized technical specification   |
|---------------------------------------|--|--|--------------------------------------|
| Dimensions and dimensional deviations | Length                                 | 590 [mm]   | EN 771-4:2011<br>(PN-EN 771-4:2012P) |
|                                       | Width                                  | 60, 80, 100, 120, 150, 180, 200, 240, 300, 360, 380, 420 [mm]  |                                      |
|                                       | Height                                 | 240 [mm]   |                                      |
|                                       | Deviations                             | TLMB   |                                      |
| Shape and construction                |  | Cuboid with frontal areas<br>N – smooth<br>P – with tongue<br>W – with grooves<br>U – with the assembly holder |                                      |
| Compressive strength                  | Average compressive strength           | > 3,0 [N/mm <sup>2</sup> ]   |                                      |
|                                       | Declared class of compressive strength | 3,0 [N/mm <sup>2</sup> ]   |                                      |

|   |  |                              |  |
|---|--|------------------------------|--|
| Dimensional stability                                     | Shrinkage in the wet environment   | 0,25 [mm/m]                  | PN-EN 771-4:2012P  |
| Joint strength for mortar of general use and light mortar | Joint shear strength   | 0,15 [N/mm <sup>2</sup> ]    | EN 771-4:2011 (PN-EN 771-4:2012P) (the value established in accordance with PN-EN 998-2:2012 appendix C) |
| Joint strength made of any mortar for thin joints         | Joint shear strength   | 0,30 [N/mm <sup>2</sup> ]    | EN 771-4:2011 (PN-EN 771-4:2012P) (the value established in accordance with PN-EN 998-2:2012 appendix C) |
|   | Joint flexural strength in the parallel plane to bed joints                                  | 0,11 [N/mm <sup>2</sup> ]    | EN 771-4:2011 (PN-EN 771-4:2012P) (the value established in accordance with PN-EN 1996-1-1)              |
|   | Joint flexural strength in the perpendicular plane to bed joints, frontal unfulfilled joints | 0,11 [N/mm <sup>2</sup> ]    |  |
|   | Joint flexural strength in the perpendicular plane to bed joints, frontal fulfilled joints   | 0,075 [N/mm <sup>2</sup> ]   |  |
| Reaction to fire performance                              |  | Euroklasa A1                 | EN 771-4:2011 (PN-EN 771-4:2012P)  |
| Water absorption  |  | NPD                          |  |
| Water vapour permeability                                 |  | 5/10                         |  |
| Insulation against direct air sounds                      | The declared gross density value   | 575 ±25 [kg/m <sup>3</sup> ] |  |
|   | Shape and construction   | As above                     |  |
|   | Dimensions and deviations  | As above                     |  |
| Thermal properties  | The declared coefficient of heat transfer ( $\lambda_{D10}$ )                                | 0,155 [W/(m·K)]              |  |
| Stability   | Freeze/thaw resistance   | Freezeproof product          |  |
| Dangerous substances                                      |  | None                         |  |

9. The declared performance:

10. The performance of the product defined in points 1 and 2, in accordance with the declared performance in point 9.

**This declaration of performance has been issued at the producer's sole responsibility defined in point 4.**

Signed on behalf of the producer:

Głogów Młp. 10.07.2014  
(Dated in )

Kierownik Kontroli Jakości  
Przedsiębiorstwa  
Kierownik Kontroli Jakości i Laboratorium

.....  
mgr inż. Grzegorz Kmita  
(imię, nazwisko i podpis osoby upoważnionej)