

DECLARATION OF PERFORMANCE

*In compliance with EU Regulation (EU): No 305/2011
(Construction Product Regulation)*

Declaration of Performance-Nr. **GR 00234**

1. Unique identification code of the product-type:

GRIFFON HBS-200 LIQUID RUBBER BUC 5L*1 L1

2. Intended use(s):

**Products and systems for the protection and repair of concrete structure.
surface protection products for concrete — coating, ingress protection**

3. Manufacturer:

Bison International BV, Dr. A.F. Philipsstraat 9, 4462 EW Goes, The Netherlands

4. Authorized representative:

Not Applicable

5. System or systems of assessment and verification of constancy of performance:

System 4

6. Harmonised standard: **EN 1504-2: 2004**

Notified body: **Not Applicable**

7. Declared performance

| Essential characteristics | Performance | Harmonised technical specification |
|--|-------------|------------------------------------|
| Reaction to fire | Class E | EN 1504-2: 2004 |
| Release of dangerous substances | NPD | |
| Water-vapour permeability (m) | Class III | |
| Permeability to CO ₂ | NPD | |
| Capillary water absorption and liquid water permeability < kg/m ² x h ^{0.5} > | < 0.1 | |
| Adhesion strength by pull-off test <ul style="list-style-type: none"> - mean value (Mpa) - lowest single value (MPa) | 0.8 0.5 | |

8. Appropriate Technical Documentation and/or Specific Technical Documentation: **Not Applicable**

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

R. Uytendewillegan
 Managing Director
 Goes, 13 november 2017



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*In compliance with EU Regulation (EU): No 305/2011
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Declaration of Performance-Nr. **GR 00235**

1. Unique identification code of the product-type:

GRIFFON HBS-200® LIQUID RUBBER

2. Intended use(s):

Polymer modified bituminous thick coatings (PMBC) ,for waterproofing in below ground structures

3. Manufacturer:

BISON INTERNATIONAL, Dr. A.F. Philipsstraat 9, NL - 4462 EW Goes, Netherlands

4. Authorized representative:

Not Applicable

5. System or systems of assessment and verification of constancy of performance:

System 3

6. Harmonised standard: **EN 15814+A1: 2012 , CB2 , W2B, C2B**

Notified body/ies: **KIWA GmbH Polymer Institut (1119)**

7. Declared performance

| Essential characteristics | Performance | Harmonised technical specification |
|---|-------------|------------------------------------|
| Reaction to fire | Class E | EN 15814+A1: 2012 |
| Release of dangerous substances | NPD | |
| Crack bridging ability | CB2 | |
| Resistance to rain | R3 | |
| Water resistance | 1 | |
| Flexibility at low temperature | No Cracks | |
| Dimensional stability at high temperature | No Sliding | |
| Watertightness | W2B | |
| Resistance to compression | C2B | |

8. Appropriate Technical Documentation and/or Specific Technical Documentation: **Not Applicable**

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Signed for and on behalf of the manufacturer by:

R. Uytendewilgen
 Managing Director
 Goes, 13 november 2017



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*In compliance with EU Regulation (EU): No 305/2011
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Declaration of Performance-Nr. **GR 00236**

1. Unique identification code of the product-type:

GRIFFON HBS-200® LIQUID RUBBER

2. Intended use(s):

**Liquid applied water imperable product for external installations on walls and floors,
beneath ceramic tiling (bonded with C2 adhesive in accordance with EN 12004)**

3. Manufacturer:

BISON INTERNATIONAL, Dr. A.F. Philipsstraat 9, NL - 4462 EW Goes, Netherlands

4. Authorized representative:

Not Applicable

5. System or systems of assessment and verification of constancy of performance:

System 4

6. Harmonised standard: **EN 14891 : 2012**

Notified body/ies: **Not Applicable**

7. Declared performance

| Essential characteristics | Performance | Harmonised technical specification |
|---|----------------------------|------------------------------------|
| Initial tensile adhesion strength | $\geq 0.5 \text{ N/mm}^2$ | EN 14891: 2012 |
| Durability of initial tensile adhesion against water/humidity action | $\geq 0.5 \text{ N/mm}^2$ | |
| Durability of initial tensile adhesion against climate/heat ageing action | $\geq 0.5 \text{ N/mm}^2$ | |
| Durability of initial tensile adhesion against contact with lime water | $\geq 0.5 \text{ N/mm}^2$ | |
| Durability of initial tensile adhesion against contact with chlorinated water | $\geq 0.5 \text{ N/mm}^2$ | |
| Durability of initial tensile adhesion against freeze and freeze-thaw cycles | $\geq 0.5 \text{ N/mm}^2$ | |
| Water tightness | No penetration | |
| Crack bridging ability | $\geq 0.75 \text{ N/mm}^2$ | |
| Release of dangerous substances | NPD | |

8. Appropriate Technical Documentation and/or Specific Technical Documentation: **Not Applicable**

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Signed for and on behalf of the manufacturer by:

J.P.M. Klerks
 Manager Research & Development
 Goes, 3. November 2016

