

DECLARATION OF PERFORMANCE

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

Declaration of Performance-Nr. **GR00234/GR00235/GR00236**

1. Unique identification code of the product-type:

GRF HBS-200 LIQUID RUBBER BU 16L*1 L49

2. Intended use(s):

**-Products and systems for the protection and repair of concrete structure.
surface protection products for concrete — coating, ingress protection
-Polymer modified bituminous thick coatings (PMBC) ,for waterproofing in below ground
structures
-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 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 3, 4

6. Harmonised standard: **EN 15814: 2011+A2:2014, CB2 , W2B, C2B**
Notified body: **KIWA GmbH Polymer Institut (1119)**

Harmonised standard: **EN 1504-2: 2004 / EN 14891 : 2012**
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	

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	Class E	EN 15814: 2011+A2:2014
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	

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**

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:

J.P.M. Klerks
 Manager Research & Development
 Goes, 3. November 2020

