



Declaration of performance: No. 0047-CPR-2023/09/26

- 1) Unique identification code of the product-type *BI MORTAR LS*
- 2) Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer *Structural and non structural CC repair mortar - Class R4 - Concrete restoration (principle 3), structural strengthening (principle 4) and preserving or restoring passivity (principle 7)*
- 3) Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5) *VOLTECO S.p.A. - Via delle Industrie, 47 - Ponzano Veneto (Italy) www.volteco.com*
- 4) System or systems of assessment and verification of constancy of performance (AVCP) of the construction product as set out in annex V *System 2+ / System 4 for reaction to fire*
- 5) In case of the Declaration of Performance concerning a construction product covered by a harmonised standard *Harmonised standard: UNI EN 1504-3:2006; The Notified Body **Bureau Veritas**, N° 1370, performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control under system 2+ and issued the FPC certificate n° 1370-CPR-1299.*

6) Declared performance:

Essential characteristics	Performance
Reaction to fire	Class A1
Compression strength	Class R4 ≥ 45 MPa
Chloride ions content	$\leq 0.05\%$
Adhesive bond	≥ 2.0 MPa
Resistance to carbonation	$dk \leq$ cls rif. (MC 0,45)
Modulus of elasticity	≥ 20 GPa
Adhesion following thermal compatibility:	
• Part 1: Un/freezing cycles	≥ 2.0 MPa
• Part 2: Thunderstorm cycles (thermal shock)	≥ 2.0 MPa
• Part 4 Dry cycles	≥ 2.0 MPa
Skid resistance	Dry: class II Wet: class I
Capillary absorption	$\leq 0.5 \text{ kg} \cdot \text{m}^{-2} \cdot \text{h}^{-0.5}$
Hindered shrinkage/expansion	NPD
Coefficient of thermal expansion	NPD
Hazardous substances	See SDS

7) The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 6. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

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Signed for and on behalf of the manufacturer by **Marco Ruzzier** Laboratory Manager

(name and function)



Ponzano Veneto, 2023/09/26 -----

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