

DECLARATION OF PERFORMANCES

Nº: 210009

1.- Product:

MORCEMREST EF-50

2.- Intended use:

Products for concrete repair and protection. One-component R4 product for structural repair of concrete with PCC mortar. For vertical applications without formwork. It admits thicknesses from 5 to 50 mm in vertical and for horizontal applications thicknesses from 10 to 100 mm. Principles 3-4 and 7, Method 3.1; 3.3; 4.4; 7.1 and 7.2

3.- Manufacturer:

GRUPO PUMA SL with registered adress at: Avda Agrupación Córdoba nº 17 ,14014 Córdoba www.grupopuma.com

4.- Evaluation and verification of product performance constancy system (EVCP):

2+ plus 4

5.- Notified bodies:

Applus No. 0370, Certificate of Conformity of Production Control No. 0370-CPR-2578

6.- Declared performances

Essential characteristics	Performances	Harmonised standards	Harmonised technical specification
Compressive strength	Class R4	EN12190	EN-1504-3 :2005
Chloride ion content	≤0.05%	EN 1015-17	
Adhesion	≥2Mpa	EN 1542	
Carbonation resistance	Pass	EN 13295	
Modulus of elasticity	≥20Gpa	EN 13412	
Thermal compatibility freeze/thaw	≥2Mpa	EN 13687-1	
Capillary absorption	≤0.5Kgm ⁻² h ^{-0.5}	EN 13057	
Hazardous substances	See safety data sheet		
Reaction to fire	A1	EN 13501	

The performances of the product identified in point 1 comply with the performances declared in point 6.

This declaration of features is issued under the sole responsibility of the manufacturer stated in point 3, according to Regulation (EU) No. 305/2011

Signed for on behalf of the manufacturer by:

Date and place of issue: Córdoba, 08/08/2018

Technical director: Jose A. Ferre Martínez





0370

GRUPO PUMA SL
Avda Agrupación Córdoba nº 17 ,14014 Córdoba 16
Nº: 210009

0370-CPR-2578
EN 1504-3

MORCEMREST EF-50

Product for structural repair of concrete with PCC mortar. For vertical applications without formwork. It admits thicknesses from 5 to 50 mm in vertical and for horizontal applications thicknesses from 10 to 100 mm. (based on polymerized hydraulic cement).

Compressive strengt: Clase R4

Chloride ion content : $\leq 0.05\%$

Adhesion: $\geq 2\text{Mpa}$

Carbonation resistance: Pass

Modulus of elasticity: $\geq 20\text{Gpa}$

Thermal compatibility freeze/thaw: $\geq 2\text{Mpa}$

Capillary absorption: $\leq 0.5\text{Kg m}^{-2}\text{h}^{-0.5}$

Reaction to fire: Euroclass A1