DECLARATION OF PERFORMANCE
Nº: 215204

1.- Product: MORCEMSEAL TODO 1

2.- Intended use: High-strength single-component mortar for passivation, repair and protection of concrete structures, fibre-reinforced for thicknesses between 4- 40 mm.

3.-Manufacturer: GRUPO PUMA ESPAÑA con domicilio en: Avda. Agrupación Córdoba 17 ,14014 Córdoba.www.grupopuma.com

4.- Evaluation System: 2+

5.- Performances declared

Essential characteristics	Performance	Harmonised standards
Compressive strength	Class R4	EN-1504-3:2005
Chloride ion content	≤0.05%	
Adhesion	≥2Mpa	
Carbonation resistance	Pass	
Modulus of elasticity	≥20Gpa	
Thermal compatibility part 1	≥2Mpa	
Capillary absorption	≤0.5Kg/m^{2}kg$^{0.5}$	
Water vapour permeability	Clas I	EN-1504-2:2004
Impact resistance	≥20Nm	
Wear resistance	< 3000 mg	
Coefficient of thermal expansion	<30µm/mºC	
CO2 permeability	NPD	
Determination of liquid water permeability	NPD	
Pull-out resistance of steel encased in concrete. Shear bonding	Pass	EN-1504-7:2007
Corrosion protection	Pass	
Hazardous substances	See security sheet	
Reaction to fire	A1	

The performance of the product identified in item 1 is in conformity with the performance declared in item 5. This declaration of performance is issued under the sole responsibility of the manufacturer as indicated in item 5:

Place and date of issue: Cordoba, 24.07.23: Director Técnico: Jose A. Ferre Martínez

CE

GRUPO PUMA ESPAÑA
Avda. Agrupación Córdoba 17 ,14014 Córdoba
23
N.º: 215204

EN 1504-3
EN-1504-2
EN-1504-7

MORCEMSEAL TODO 1

High-strength single-component mortar for passivation, repair and protection of concrete structures, fibre-reinforced for thicknesses between 4- 40 mm (based on polymerised hydraulic cement).

Compressive strength: Class R4
Chloride ion content: ≤0.05%
Adhesion: ≥2Mpa
Resistance to carbonation: Pass Modulus of elasticity: ≥20Gpa
Thermal compatibility Part 2: ≥2Mpa
Capillary absorption: ≤0.5kg/$m^2h^{0.5}$
Water vapour permeability: Class I
Impact resistance: ≥20Nm
Wear resistance: <3000 mg
Coefficient of thermal expansion: <30µm/mºC
Shear adhesion: Pass
Corrosion protection: Pass