



DECLARATION OF PERFORMANCE

N. CPR-ES2/0004

1 Unique identification code of the product-type	DESMOPOL
2 Intended uses	Polyurethane coating for intended use in concrete surface protection by protection against ingress; moisture control and increasing resistivity; physical resistance; chemical resistance methods
3 Manufacturer	TECNOPOL SISTEMAS, S.L.U. Finlàndia, 33 08520 Les Franqueses del Vallés – Barcelona-Spain www.tecnopolgroup.com – t. +34 935682111
4 Systems of AVCP	AVCP-System 2+ AVCP- System 3 (for reaction to fire)
5 Harmonized standards	EN 1504-2:2004
Notified bodies	LGAI TECHNOLOGICAL CENTER, S. A./Applus, N. 0370 CSI S.p.A N. 0497
6 Performances declared	
Essential characteristics	Performances
Abrasion resistance:	Weight loss < 3000 mg
Permeability to CO ₂ :	Sd > 50 m
Water vapor permeability:	Class I
Capillary absorption and permeability to water:	< 0,1 kg/m ² ·h ^{0.5}
Resistance to thermal shock:	≥ 1,5 N/mm ²
Resistance to severe chemical attack:	Reduction hardness ≤ 50% (Shore D)
Group 9,	Class II (Loss of gloss)
Group 10,	Class II (Slight discoloration)
Group 12 and [Potassium Hydroxide 20%vol]	Class II
Crack bridging ability	A4 (-10°C), B3,2(23°C)
Impact resistance:	Class I
Adhesion strength by pull-off test:	≥ 1,5 N/mm ²
Reaction to fire:	Euroclass E
Artificial weathering:	No blistering, no cracking, no flaking. Change of color, loss of gloss, and a little surface chalking
Dangerous substances:	NPD
Legend for Resistance to severe chemical attack: groups numbers and related descriptions as per EN 13529	
Group 9:	Aqueous solutions of organic acids up to 10%
Group 10:	Inorganic acids up to 20% and salts with acid hydrolysis in an aqueous solution (pH < 6) except for the hydrofluoric acid and oxidizing acids and their salts
Group 12:	Solutions of inorganic non-oxidizing salts with pH = 6 - 8

The performance of the product identified above is in conformity with the set of declared performances.

 0370, 0497	 TECNOPOL SISTEMAS, S.L.U., Finlàndia, 33 08520 Les Franqueses del Vallés – Barcelona-Spain – www.tecnopolgroup.com																														
21 CPR-ES2/0004 EN 1504-2:2004 DESMOPOL Polyurethane coating for intended use in concrete surface protection by protection against ingress; moisture control and increasing resistivity; physical resistance; chemical resistance methods																															
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Note:

TECNOPOL SISTEMAS S.L.U. supplies the current annex along with the DoP to make the consultancy of the CE marking easier for international clients. The enclosed CE marking can be slightly different compared to the one printed on the relevant packaging or documentation because of:

- NPD (No Performance Determined) values can be omitted by the CE marking,
- graphic adaptations due to lack of space on the packaging or printing methods used,
- different language (the same packaging can be shared by several countries),
- the product is already in stock when the updating of the CE marking is implemented,
- printing mistakes.