

SIMPLIFIED TESTS REPORT

Nº 24/32304901-S

Bellaterra, 10th January 2025		Product:				
POLIUREA SYSTEMS CHEMICAL S.L.U P.I. Heras 149 39792 Heras (Cantabria)		POLIUREA PS-008				
PRODUCTS AND SYSTEMS FOR THE PROTECTION AND REPAIR OF CONCRETE STRUCTURES. Definitions, requirements, quality control and evaluation of conformity. UNE-EN 1504-2:2005 Part 2: Surface protection systems for concrete						
Requested Tests		Results	Requirements			
Mix ratio		A:B - 1:1 by weight	Flexible systems		Rigid systems	
1- Measurement of bond strength by pull-off , EN 1542		3,3 MPa	Without trafficking ≥0,8 MPa	With trafficking ≥1,5 MPa	Without trafficking ≥1,0 MPa	With trafficking ≥2,0 MPa
2- Determination of water-vapour transmission properties, EN ISO 7783	Water-vapour flow rate G	0,0001 g/h	Diffusion-equivalent air layer thickness Sd			
	Water-vapour transmission rate V	0,34 g/m ² * d	Class I		Class II	
	Diffusion-Equivalent air layer thickness Sd (m)	61,6 m	Sd < 5 m		5 ≤ Sd ≤ 50 m	
	Water vapour resistance factor μ	29834			Sd > 50 m	
3- Determination of liquid water permeability, EN 1062-3		0,0003 Kg/m ² h ^{0,5}	W < 0,1 Kg/m ² *h ^{0,5}			
5- Falling-weight test, EN ISO 6272-1		24,5 Nm	Clase I ≥4Nm		Clase II ≥10Nm	
6- Abrasion resistance (Taber), EN ISO 5470-1		64 mg	Weight loss < 3000 mg			
6- Resistance to temperature shock, UNE-EN 13687-5		2,5 MPa	Flexible systems Without trafficking ≥0,8 MPa		Rigid systems Without trafficking ≥1,0 MPa	
7- Determination of crack bridging properties, EN 1062-7 Method A		23°C	Class A5		Declared class	
		-10°C	Class A5			