

PRODUCT CERTIFICATE

In application of the Tecnopol procedure for the certification of products corresponding to the requirements of standards has established that the products:

POLYURETHANE SYSTEM FOR THE MANUFACTURING OF IN SITE PRODUCED SPRAY POLYUREA FOR HYDROINSULATION IN CONSTRUCTION.**TECNOPOL SYSTEM P-2049**

Made by :

TECNOPOL SISTEMAS, S.L.**Pol.Ind. Z - C/ Prensa 5 -- Parets del Vallés (Barcelona)**

Are submitted by the manufacturer to the tests and factory production control, to evaluation, type testing and the control of production and permanent monitoring of factory production control, according to the requirements established in the standards referred to this certificate.

The 100 % pure polyurea waterproofing membrane TECNOCOAT P-2049, that once applied provides a seamless impermeable coating, that is completely continuous and adherent to the support and highly resistant due to its high density.

TECNOCOAT P-2049 is applicable for:

- waterproofing in the construction of swimming pools, reservoirs or deposits.
- transited surfaces that need to be waterproofed like flat or sloped roofs or patios.
- In transited public areas such as commercial facilities, parking lots and industrial warehouses with a need for paving that is very resistant, waterproof and simultaneously antistatic.
- as a pavement coating in clean rooms or industries where complete requires a continuous pavement, bacteriologically stable and resistant to wear as well as to diverse corrosive products.
- As an impermeable treatment for electrical boxes or closets needing antistatic properties that does not interfere with the components. Highly indicated to avoid the statics accumulation in stores of explosives, elevators, operating theaters of hospitals and places that should be free of this type of charge.
- In all kinds of aquatic facilities: leisure, fish farms and aquariums, providing a secure and lasting waterproofing.

Barcelona, 20 de agosto de 2011

Signed



Jordi Catalán
Dirección Ejecutiva

TECNOPOL SISTEMAS, S.L.

Polígono Industrial "Z" – c/ Prensa, 5 · 08150 Parets del Vallés · Barcelona
Telf.: 93 568 21 11 · Fax: 93 568 02 11 · info@tecnopol.es · www.tecnopol.es

ANEX

Barcelona 20 de Agosto de 2011

PROPERTIES	VALUE	RESULT	METHOD
Density	Kg./m3	900	BS 4370 PART 1 METH 2
Tensile strength	MPa	17	ISO 527
Elongation at break	%	342	ISO 527
Hardness (Corner A)		90	DIN 53.505
Hardness (Corner D)		50	DIN 53.505
Breaking strength	N/mm	35	DIN EN ISO 6383-1
Resistance to water vapor diffusion	nu	2.279	EN 1931
External fire performance	-	class. Broof (t1)	UNE-EN 13501-5
Resistance to fatigue movement	able in 1.000 cicles	-	EOTA TR-8
Gel time		Aprox. 3 to 5 seconds	
Time to loss of stickiness		Aprox. 60 to 120 seconds	
Post-curing time		12 hours	
Solids content		> 100%	
Tensile strength		23 MPa initial / 17 MPa to 25 years	
Fire Resistance		Self-extinguishing	
Chemical resistance		Resistant to many chemicals (see table test)	
Thermal resistance		Behaves consistently with temperatures -40 ° C to +180 ° C	

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