

PARALON ANTIRADICE



Nature of product

Prefabricated waterproofing membrane for special uses.

PARALON ANTIRADICE is obtained by coextrusion of a compound based on elastoplastic bitumen-polymer, suitably mixed with special chemical substances (fatty acids, phenoxics, esterifiers), which give the product a long-lasting Root-resistant effect, and a non-woven polyester reinforcement with continuous filament, inserted in the thickness of the membrane in complete synergy with the same.

PARALON ANTIRADICE passes the verification test for the control of Root-resistant behaviour; in practice no damage was found in the products responding to this test. They comply with the requirements for CE marking where required. They do not contain asbestos, tar or other dangerous substances.

Intended use

Waterproofing of substrates in contact with the ground in the presence of vegetation such as hanging gardens, underground boxes, planters, green roofs. The following diagram specifies its use with respect to the intended uses for which the CE marking is required ⁽¹⁾. For clarification on the systems that can be obtained, consult the Technical Services of IMPER ITALIA srl.

PRODUCTS	FIELDS OF USE ⁽¹⁾							
	Roofing (EN 13707)						Underlay (EN 13859-1)	Foundations (EN 13969)
	Exposed			Roof gardens	Under heavy-duty protection			
	Single-ply	Multi-ply		Root-resistant	Single-ply	Multi-ply		Multi-ply
Upper		Lower						
PARALON ANTIRADICE				•				

⁽¹⁾ In compliance with the applicable AISPEC/SITEB-MBP Guidelines.

Application

The PARALON ANTIRADICE membranes are installed via flame or mechanical fixing. The application methods are a determining factor capable of characterising the performance of the waterproof covering itself. In general terms, we remind you to carry out careful preparation and cleaning of the substrate followed by the priming treatment with a suitable primer (applied with a long-handled brush, roller, spray), with a consumption of $0.2 \div 0.3 \text{ l/m}^2$ and in any case variable with the degree of porosity of the substrate itself. The membrane will be applied with the aid of a propane gas torch; particular care must be given to performing of sealing between the sheets always laid with staggered joints: the lateral joints must be installed with overlap of $8 \div 10 \text{ cm}$ and the end joints with overlapping of $12 \div 15 \text{ cm}$. For correct and detailed documentation, as well as to identify the most effective intervention solutions in all circumstances, we recommend consulting the Technical Services of IMPER ITALIA srl which are in any case available for the consultation of particular problems as well as to provide all the assistance necessary for the best use of these materials.

TECHNICAL SPECIFICATIONS

Specifications	EN Standards	Unit of Measure	Tolerances ⁽²⁾	PARALON ANTIRADICE
Roll dimensions	1848-1	m	\geq	10 x 1 (-1%)
Thickness	1849-1	mm	$\pm 5\%$	4
Mass per unit area	1849-1	kg/m ²	$\pm 10\%$	-
Watertightness	1928-B	kPa	\geq	60
Cold flexibility	1109	°C	\leq	-20
Flow resistance at elevated temperature	1110	°C	\geq	140
L/T tensile strength	12311-1	N/5cm	$\pm 20\%$	750 / 650
L/T tensile elongation	12311-1	%	± 15	50 / 50
L/T dimensional stability	1107-1	%	\leq	0.3 / 0.3
Static puncture	12730-B	kg	\geq	25
Dynamic puncture	12691-B	mm	\geq	1000
L/T tear resistance	12310-1	N	$\pm 30\%$	160 / 180
Joint peel resistance	12316-1	N/5cm	$\pm 20 \text{ N}$	60
Joint cut resistance ⁽³⁾	12317-1	N/5cm	$\pm 20\%$	650 / 550
Durability after aging:				
• Cold flexibility	1296-1109	°C	+15°C	-15
• Flow resistance at elevated temperature	1296-1110	°C	-10°C	130
• UV Ageing	1297	-	-	Passes the test
• Watertightness	1296-1928	kPa	\geq	60
• Chemical resistance	-	-	-	NPD ⁽⁴⁾
• L/T tensile strength	12311-1	N/5cm	$\pm 20\%$	650 / 550
• L/T tensile elongation	12311-1	%	± 15	45 / 45
Steam permeability	1931	μ	\geq	20,000
Root resistance	13948		-	Passes the test
External fire behaviour	13501-5	EC ⁽⁵⁾	-	Froof
Fire reaction	13501-1	EC ⁽⁵⁾	-	E ⁽⁶⁾

Notes: ⁽²⁾ In compliance with the applicable AISPEC/SITEB-MBP Guidelines.

⁽³⁾ Declared values or failure away from joints.

⁽⁴⁾ Characteristic not determined because it is not relevant for use.

⁽⁵⁾ Euroclass.

⁽⁶⁾ Internal report

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Considerando le diverse situazioni d'impiego dei prodotti e l'intervento di fattori da noi non dipendenti (supporti, condizioni di esercizio, in osservanza delle prescrizioni, ecc.), non è possibile alla IMPER ITALIA srl assumere responsabilità in merito ai risultati ottenuti. Il progresso unito alla costante ricerca dei massimi livelli prestazionali possono apportare - nel tempo - modificazioni alle informazioni contenute in questo stampato, senza che la IMPER ITALIA srl debba darne preavviso a tutti gli interessati.

