



PRODUCT	Dermalrubber S/P
MISSION	Solvent-based elastomer liquid waterproofing root-stop
CHARACTERISTICS	Dermalrubber S/P is a liquid membrane consisting of elastomised bitumen in solution with special macromolecules that make the product dry, waterproof and particularly elastic. Thanks to the additivation of a root-stop additive, Dermalrubber S/P is impenetrable to roots thus making it the ideal waterproofing for window boxes, hanging gardens and retaining walls. Dermalrubber S/P is tested according to the EN 13948 (resistance to roots penetration) resulting in accordance. The product is used to waterproof horizontal, vertical, top or underground cement surfaces, and (with appropriate protection) surfaces with structures such as flues, skylights or gutters (cement or metal), as well as areas where open flames cannot be used or to restore the waterproofing properties of damaged bituminous waterproofing. In case of perimeter or expansion joints and in connections between different substrate materials, the use of elastic reinforcing bands from the line CasaBand or Acryfelt Bands selected according to the specific requirement is strongly recommended. The product should be protected against ultraviolet radiation, when it is surface mounted with one or two coats of Reflex, Reflex AR. Otherwise, Dermalrubber S/P may be sprinkled fresh layer after layer with slate chips.
APPEARENCE	Black medium-viscosity liquid.

CHARACTERISTICS OF THE LIQUID PRODUCT

CHARACTERISTICS	VALUE	TOLERANCE	U.M.
Specific weight	1,01	± 0,05	Kg/dm ³
Dry residue	62	± 1	%
Viscosity at 23° C (with Brookfield viscosimeter, rotor n. 4 speed 5).	800	± 100	mPa.s

APPLICATION INSTRUCTIONS

TOOLS	THINNING	TYPE OF THINNER	TOOL CLEANING
Brush Roller Spray	- Ready-to-use as waterproofing - approx. 20% when applied by spray gun - approx. 30% when applied as primer	DIL S1	DIL S1

APPLICATION TO AIR-LESS

DILUTION	20%		
PUMP MODEL	ZEUS (LARIUS)	NOZZLE TYPE AND SIZE	SFC 19-40 e SFC 27-40
GUN MODEL	AT250	FILTER MANAGEMENT	60 Mesh
GUN TUBE DIMENSIONS	1/4" x 15 Mt	PUMP SET PRESSURE	220 BAR





The data reported above are the result of tests carried out by our Technical Office in collaboration with our technical partner Larius, aimed at identifying the ideal equipment and setup for the most correct, easy and effective installation of the product.

In the case of spray applications, the dilution of the product and the preparation may vary depending on the type of pump used.

It is always recommended to carry out preventive tests before using the product with air-less equipment.

LAYING SURFACE	Ensure that the deck is clean and dry removing all traces of dirt, grease and loose parts, if necessary, repair excessive roughness and ensure sufficient slope to ensure rainwater runoff.
CONSUMPTION	Approx. 1 - 1,5 Kg/sqm applied in two coatings.
APPLICATION INSTRUCTIONS	Environmental and deck temperature limit during application: MIN 5°C - MAX 40°C. Product may be applied on surfaces subject to water pooling.
DRYING AT 23° C AND 50 % U.R.	On surface: 1 h To touch: 3 h Interval between coatings: 24 h The times shown are intended for standard laboratory conditions. Drying times are strongly affected by weather conditions; high temperatures and direct sunlight reduce the drying times; areas in shadow, low temperatures and high humidity increase the drying times. In winter the product should be laid in the middle of the day when it is warmer. Ensure that the previous layer has dried properly before applying the next layer.

CHARACTERISTICS OF THE DRY PRODUCT			
CHARACTERISTICS	VALUE	TOLERANCE	U.M.
Breaking load	0,64	± 0,1	N/mm ²
Elongation at break	1000	± 100	%
Flexibility at low temperatures	-30	± 5	° C
Flexibility at low temperatures after UV ageing	-30	± 5	° C
Flexibility at low temperatures after thermal ageing	-30	± 5	° C
Resistance to roots penetration (EN 13948)	Accordant (the roots doesn't penetrate the waterproofing coat)		
Water vapor permeability (UNI 1062)	V3 = low		
Water permeability (UNI 1062)	W3 = low		

PACKAGING INSTRUCTIONS	COLOURS AVAILABLE Black	PACKAGING 5 – 10 – 20 Kg
STORAGE INSTRUCTIONS	STORAGE TEMPERATURE MIN –5° C – MAX 40° C	STABILITY IN THE ORIGINAL PACKAGE 24 months
SAFETY STANDARDS	Please read the safety data sheet carefully before using this product.	



La Casali S.p.A. si riserva di modificare senza alcun preavviso i dati contenuti nella presente scheda tecnica. L'uso, sia proprio sia improprio, del prodotto indicato nella presente scheda, ricade sotto l'esclusiva responsabilità dell'utilizzatore che è tenuto a una valutazione preventiva dell'idoneità del prodotto alle proprie esigenze, nonché, alla massima cura nell'utilizzo di qualsiasi prodotto chimico. L'Ufficio Tecnico della Divisione Sintetici Casali resta a disposizione per chiarimenti e per rispondere a richieste specifiche derivanti dalla natura dell'opera (tel. 071 9162095).



 1381	 Zona Industriale C.I.A.F. – Castelferretti (AN) – 60015 www.casaligroup.it
14 1381-CPR-490 EN 1504-2 : 2004 Products used to protect concrete decks Dermalubber S/P Solvent-based modified bitumen based one-component liquid waterproofing used to protect concrete against penetration; humidity control and improved resistivity	
Liquid water permeability	< 0.1 Kg/sq.m. h ^{0,5}
Permeability to carbon dioxide	sd > 50 m
Adhesion to standard traction	> 0.8 MPa
Permeability to water vapour	Class II
Crack bridging ability	Class A5
Freeze-thaw cycles with immersion in thawing salt	no alteration
Hazardous substances:	See SDS
Class reaction to fire	B _{fl} – S ₁

