



IDROPLAST IDROPLAST ANTIROOT

IDROPLAST is a liquid bituminous elastomeric water-based membrane. It is commonly used where it is difficult the application of the bituminous polymer membranes.

CE EN 1504-2



*Polyglass is a member of
the Green Building Council*



Adds value!

TECHNICAL DESCRIPTION

IDROPLAST is a bituminous elastomeric water-based membrane obtained by mixing synthetic resins with special bitumen and mineral filler. Once dry, IDROPLAST shows good elasticity, adhesion to the support and is watertight and conveys high resistance to the weather conditions to the treated surfaces. IDROPLAST is commonly used where the normal application of the bituminous polymer membranes is difficult.

WHERE TO APPLY IT

IDROPLAST is particularly recommended for waterproofing particular structures or difficult surfaces such as roofing surfaces with a complex structure, renovation of damaged roofing, and concrete flower boxes. IDROPLAST offers excellent results on existing bituminous black or mineral membranes. IDROPLAST is recommended for waterproofing external surfaces such as concrete foundations walls, roofs and terraces where the bituminous polymer membranes are not foreseen.

HOW TO APPLY IT

Once mixed, IDROPLAST is either sprayed or applied by means of roller and brush on dry and clean surfaces, free from dust, oil and excessive moisture. Possible cracks or holes must be closed with cement waterproofing mortars. It is recommended to provide suitable slopes (minimum 3% and without ponding water) in order to allow the drainage of rain water. It is recommended the application of 2 coats of IDROPLAST, the second coat shall be applied on the first dry coat after about 24 hours. To improve the mechanical resistance of the waterproofing, consider the application of a non-woven geotextile "Polyester 60" from Polyglass between the first and the second coat on the old waterproofing membranes. The consumption of IDROPLAST changes according to the support; in average, about 1-1,5 kg/m² of product is necessary.

The ANTIROOT version is used for the waterproofing of concrete planters. IDROPLAST must be applied with a minimum temperature of 5 °C and however with excellent weather conditions - avoiding imminent rain and surfaces too hot because the adhesion of the product will be compromised. Always protect the waterproofed surfaces from rain for about 1 day from the application.

It is suggested to avoid IDROPLAST application on bituminous membranes that have been just applied because the oils present in the compound could not guarantee the perfect adhesion of the product. It is recommended to wait at least for 30/60 days and then, if necessary, wash the surfaces with water. IDROPLAST cannot be exposed at the sun beams. For this reason, IDROPLAST shall be covered with a protective paint such as Polyver Alu, Polyver Acril or Polysint.

TECHNICAL CHARACTERISTICS

	APPEARANCE	Tixotropic paste
	COLOUR	Black (after drying)
	SHELF LIFE IN THE ORIGINAL BUCKETS	12 month
	FLAMMABILITY POINT IN CLOSED	Not flammable
EN ISO 3251	SOLID CONTENTS AT 130 °C	60% - 68%
EN ISO 3219	VISCOSITY BROOKSFIELD (SPINDLE 6 AND 10 RPM) AT 20 °C	50.000 (±10.000) cP
EN ISO 2811-1	SPECIFIC WEIGHT AT 20 °C	1,21 (±0,04) Kg/l
	BREAKING ELONGATION	500% - 1000%

Application Informations: at +23 °C - 50% U.R.

	CONSUMPTION	1 - 1,5 kg/m ²
	PH AT 20 °C	8,30 - 9
	DRYING TIME OUT OF TOUCH	6 hours
	DRYING TIME FOR COATING	24/48 hours
EN 1062-6	PERMEABILITY TO CO ₂	S _D >50 m
EN ISO 7783	PERMEABILITY TO WATER VAPOR	Class I S _D <5 m
EN 1062-3	CAPILLARY ABSORPTION AND WATER PERMEABILITY	w <0,1 Kg/m ² h ^{0,5}
EN 1542	TEARING ADHESION	≥1 N/ mm ²

PACKAGING, STOCK AND TOOL CLEANING

PACKAGING	Bucket of 1 kg, 5 kg and 20 kg
SHELF LIFE	The product can be stocked in closed buckets in dry area, far from UV rays for 12 months. Stock the material at a minimum temperature of 5 °C. It fears the frost
TOOL CLEANING	After use clean tools with common solvents



SAFETY NORMS

See safety data

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POLYGLASS S.p.A. reserves the right, without notice, to modify the technical card according to the necessity to improve the product.



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