



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. Once diluted, Idroplast can be applied on new bituminous membranes with talc or sand in order to stop the release action of sand and talc and permitting the immediate painting of the bituminous membranes.

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, and 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 24-48 hours. To improve the mechanical resistance of the waterproofing, consider the application of a non-woven geotextile "Polyester 60" from Polyglass between the first still wet, 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 are necessary.

Available in the antirroot version, IDROPLAST ANTIROOT is used for the treatment of small concrete planters or with complex structure. On the first coat, still wet, Poliestere 60 is applied and only when the first coat is dry. Treatment can be completed with a double coat of IDROPLAST ANTIROOT, by applying the product after the complete drying of the previous coat.

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 permit guarantee the perfect adhesion of the product. It is recommended to wait at least for 30/40 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.

For the protection of the new bituminous membranes with sand and talc finishing, it is possible to use IDROPLAST, with a maximum dilution of 30%, as surface stabilizer in order to apply, once dry, the protective high reflectance white or aluminum paint immediately after the membrane application. Once diluted, apply Idroplast, in one single coat in the quantity of 150-250 g/m². Wait at least 24 hours from the product drying before the application of the protective white and aluminum paint.

As always it is recommended to hydrowash the surface of the bituminosu membrane in order to remove possible oily or dusty residues to make easier the adhesion of Idroplast to the surface.



Adds value!


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 |
| | CONSUMPTION | 1 - 1,5 kg/m ² |

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

| | | |
|-------------|---|---|
| | 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, 5, 10 and 20 kg. Box with 15 buckets of 1 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

SPECIAL PRODUCTS



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PRODUCT FOR PROFESSIONAL USE

The figures, information and suggestions result from the experience of POLYGLASS SPA. Anyone planning to use IDROPLAST must ensure that it is suitable for the intended purpose. In all cases the installer is the solely responsible for the product's installation and for all consequences arising therefrom.

Always refer to the latest up to date version of the technical data sheet which you can find in our web-site: www.polyglass.com.

For any further information, please contact our technical office.

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