

**PRODUCT DATA SHEET****HIDROSTAN**

Version 03 (September 2015)

DESCRIPTION:

HIDROSTAN is an EPDM synthetic rubber waterproofing membrane extremely durable. It's manufactured by an extrusion/calendering system and a subsequent and meticulous process of vulcanization. Membrane with a perfect homogeneity is obtained.

The membrane has a textured surface by way of embossing that gives it a better adhesiveness both using cold adhesives and heat sealing.

APPLICATIONS:

Membrane appropriates for all types of waterproofing in new constructions and/or rehabilitation of buildings and civil works. Roof covers, reservoirs, dams, façades, basement tanking, ornamental applications...

HIDROSTAN can be used in ballasted, adhered systems and inverted roofs.

PROPERTIES and SPECS:

- High elasticity.
- Great tensile strength.
- Fully waterproof.
- Temperature stable from -45 °C to 130 °C.
- Maintains its elasticity at low temperatures and resistant to temperature shocks up to 250°C.
- Excellent resistance to alkali rains.
- Resistant to UV radiation and ozone.
- 10 years minimum durability

NOTE: For more information contact with Quality Department of CIDAC and see *Declaration of performance*.

PACKAGING and STORAGE:

- Proper handling. Keep the product protected from mechanical aggressions.
- Store away from ignition sources and open flame.
- Store in a dry place and protected from rain, sun and low temperatures.
- Store in its original packaging and in a horizontal position.
- Keep the rolls parallel each other on a firm and flat base.

ROLLS	HEAT SEALED MODULES
<p>For waterproofing of roofs, basement tanking or reservoirs and dams:</p> <p>1.50 x 20 m <u>Thicknesses</u>: 1.00, 1.20, 1.50 y 2.00 mm</p>	<p>Large: 30 metros.</p> <p>Width: 3, 4.5, 6, 7.5, 9, 10.5, 12, 13.5 and 15 meters</p> <p><u>Thicknesses</u>: 1.00, 1.20, 1.50 and 2.00 mm</p> <p>Until 1000 m² of surface.</p>
<p>Waterproofing of outside or inside façades:</p> <p>1.50 x 20 m <u>Thicknesses</u>: 0.75 and 1.10 mm</p>	

NOTE: The dimensions of the membrane are calculated to cover the substrate. Including the overlaps and upstands.

QUALITY CERTIFICATION:

Our product HIDROSTAN has obtained the **CE Marking** according:



- EN 13956: Roofing systems.
- EN 13967: Basement tanking.
- EN 13361: Waterproofing in reservoirs and dams.
- EN 13984 y EN 14909: Façade waterproofing.



Also, HIDROSTAN has a plus in certification of quality, the **Certificate "Marca N" of AENOR** for applications in roofing and basement tanking.

Keep in contact with the Assurance Quality Department of CIDAC if you need specific information.

INSTALLATION:

The installation of HIDROSTAN waterproofing should be performed by experienced installers and employing appropriate systems accessories.

Avoid high humidity conditions. Substrates need to be clean, dry, smooth and free of sharp edges, foreign materials, oil, grease and other materials that may damage the membrane.

Installation on adhered systems:

1. Used as a waterproofing monolayer membrane.
2. The joints between sheets are made using AC-221 CIDAC glue, tape unvulcanized rubber or heat sealing tape.
3. In the perimeter details it is common to use special metal pieces.

Installation on systems with gravel or pavement protection:

1. The membrane is loose and fixed only to the perimeter.
2. The ballast weight has to provide the necessary resistance to wind suction forces.
3. Sometimes separating layers are necessary to prevent incompatibilities between the insulation and laminated for roofing.

Allow the membrane to relax for approximately 30 minutes before splicing or final securement. Consult with the Technical Department of CIDAC if you need additional information.

ADVICE:

The information that appears here is based in our knowledge and experience gained so far. The values that appear in this data sheet are result of standard self-control assays in our laboratory and other contract laboratories.

However, the warranty offered is limited to the intrinsic quality of the delivered product. A proper functioning of the CIDAC products depends on meteorological factors, the method of use, storage mode, proper installation and other factors beyond the scope of CIDAC.

For more information visit www.cidac.es
or call the phone number **93 377 22 62**