

BENTOGEO GRIP TP

Sodium bentonite-based composite waterproofing membrane



[info. PRECAUTIONS]

Dimension the structure taking into account hydrostatic pressure and bentonite pressure. If the groundwater contains abnormal amounts of dissolved salts, seawater infiltration or pollutants, consult the Technical Office of PROIND S.r.l.

It is a non-toxic product: prolonged contact with the skin may cause a drying effect, therefore the use of gloves is recommended. In case of accidental contact with the eyes, rinse thoroughly with water and consult a doctor.

[info. CONSUMPTION]

Calculate the surface area to be protected, adding an extra 10-20% for overlaps and waste, taking into account a higher percentage for vertical surfaces than for horizontal ones.

[info. DIMENSIONI SINGOLO ROTOLO]

Dimensions: 1,2 x 5 m = 6 m²

Thickness: > 6 mm

Minimum bentonite content: 5 kg/m²

[info. PACKAGING]

- 6 m² roll (individual rolls wrapped in polyethylene)
- Pallet of 40 rolls = 240 m²

[info. TECHNICAL SERVICE]

Detailed technical instructions on the use of the products can be requested from your local representative or directly from PROIND srl.

BENTOGEO GRIP TP is a multi-layer composite waterproofing membrane based on sodium bentonite:

- outer layer of high-strength polypropylene fabric (warp and weft) with high resistance to puncturing and traction (dark fabric);
- a layer of natural sodium bentonite with a very high swelling index;
- interface layer of thickened polypropylene non-woven fabric (light-coloured fabric).

The three layers are densely needle-punched: this guarantees resistance to atmospheric agents until BENTOGEO GRIP TP is confined with concrete or soil. The result of these exclusive processes is a self-sealing, waterproof sheet that is resistant to atmospheric agents during installation, adheres perfectly to the structure, is self-repairing and has excellent mechanical resistance.

Fields of application

BENTOGEO GRIP TP is a membrane that can be used on all laying surfaces and structures, particularly foundations, that are exposed to groundwater, even at high pressures or simple drainage.

Instructions for use

• HORIZONTAL SURFACES (UNDER-SLAB):

Spread a layer of lean concrete without holes or rough patches to create a flat, clean laying surface. Lay the rolls overlapping the joints by 10 cm and turning them over onto the formwork. Nail the overlaps every 50 cm.

• VERTICAL SURFACES:

Remove the formwork slats and fill any holes and imperfections in the casting (crawl spaces) with SIRIOBETON STOP waterproof mortar. Apply BENTOGEO GRIP TP with overlaps of at least 10 cm and nail them every 50 cm. Any horizontal joints must be made with the upper layer overlapping the lower layer ('tile-like') in order to prevent soil from entering the joint during backfilling.

• GENERAL INSTALLATION CONSIDERATIONS:

Position the sheet with the 'light' side facing up. Do not overlap where there are concrete joints. Stagger the joints. Fill any holes and imperfections in the concrete with SIRIOBETON STOP mortar (or suitable waterproof mortar) or even bentonite paste such as BENTOPASTA.

Advantages

- It is self-sealing: the semi-solid sodium bentonite gel automatically repairs normal structural damage.
- Joints are immediately self-sealing.
- Weather resistant prior to confinement. Can be applied at any temperature.
- No interfacial water migration immediately after application.
- Quick and easy to apply, with no open flames required for greater operator safety.