

Wholesale High Quality&Factory Price Bentonite geosynthetic clay liner From China
Bentonite geosynthetic clay liner Manufacturers

Taidong is a professional bentonite geosynthetic clay liner manufacturers, supply high quality&factory price bentonite geosynthetic clay liner, welcome to consult wholesale bentonite geosynthetic clay liner for sale.

Waterproof blanket (Bentonite geosynthetic clay liner) is a kind of geosynthetic material especially used for seepage prevention in artificial lake waterscape, landfill, underground garage, roof garden, pool, oil depot, and chemical yard. It is filled between special composite geotextile and non-woven fabric by Natural sodium bentonite with high expansibility. The bentonite seepage-proof mat made by the needle-punching method can form many small fiber spaces, which is bentonite. Particles cannot flow in one direction. When water is encountered, a uniform and high-density colloidal waterproof layer are formed in the cushion, which effectively prevents water leakage.

Waterproof blanket (Bentonite geosynthetic clay liner) is a kind of anti-seepage liner between GCL (field thick compacted clay anti-seepage liner) and geomembrane. The high quality bentonite geosynthetic clay liner is mainly used in waste landfill, groundwater reservoir, underground infrastructure construction and other projects in environmental engineering. It solves the problems of sealing, isolation and leakage prevention, with good effect and strong destructive resistance.

Features of Bentonite geosynthetic clay liner

The mineralogical name of bentonite is montmorillonite. Natural bentonite can be divided into sodium-based and calcium-based according to its chemical composition. Bentonite has the characteristics of water swelling. Generally, when calcium-based bentonite expands, its expansion is only about three times its own volume. The sodium-based bentonite is locked in the middle of two layers of geosynthetics to protect and reinforce it. It is GCL that has a certain overall tensile strength. Product performance products have permanent waterproof, compactness, simple construction, not affected by temperature and good environmental performance.

Parameters of Bentonite geosynthetic clay liner

Test Items	Test Method	Technology index
expansion coefficient	ASTM D 5890	≥24ml/2g
fluid dram loss	ASTM D 5891	≤18ml
bentonite quality per unit area	ASTM D 5993	5000g≥3.6kg/m ²
strength of extension	ASTM D 4632	≥400N
peel strength	ASTM D 4632	≥40
indicate traffic	ASTM D 5887	≤110m/m/sec≤1*10 ⁻⁸ m ³
permeability	ASTM D 5887	≤5*10 ⁻⁹ cm/sec
after wet tensile strength	ASTM D 5321	≥24Kpa typical

Application of Bentonite geosynthetic clay liner

1. Municipal works, underground works of Metro and buildings and seepage prevention of roof cisterns.
2. Environmental protection and sanitation, domestic waste landfill, sewage treatment plant, industrial waste.
3. Water conservancy, seepage prevention, leak plugging and reinforcement of embankments and dams of rivers, lakes, and reservoirs.
4. Seepage control of ponds in Garden Artificial Lake Golf course.
5. Anti-seepage and anti-leakage of petrochemical, mining and other fields.



Installation of Bentonite geosynthetic clay liner

1. Bentonite geosynthetic clay liner material weight is larger, it is appropriate to use shovel machine with high quality bentonite geosynthetic clay liner lifting tools to carry, laid.
2. The connection of bentonite geosynthetic clay liner factory price produced by the China bentonite geosynthetic clay liner manufacturers material shall be overlapped.
3. When laying bentonite geosynthetic clay liner for sale on a slope greater than 10%, the number of overlapped joints along the slope length should be reduced as far as possible,

and the bentonite pad on the slope must exceed 1500mm above the foot line of the slope. We will lay the bentonite geosynthetic clay liner in strict accordance with the design drawing submitted to the supervision engineer unless required by the owner or the supervision engineer.

4. Any equipment used for laying bentonite geosynthetic clay liner shall not run on the surface of geosynthetic materials already laid. Installing a bentonite geosynthetic clay liner for sale, outdoor air temperature not lower than 0 °C or higher than 40 °C.

5. All exposed bentonite geosynthetic clay liner edges must be immediately compressed with sandbags or other heavy objects to prevent the bentonite geosynthetic clay liner factory price produced by the China bentonite geosynthetic clay liner manufacturers from being blown by the wind or pulled out of the surrounding anchorage trench. Bentonite tarpaulins should not be spread out in windy weather to prevent them from being blown up.

6. The laying method of wholesale bentonite geosynthetic clay liner must ensure that the bentonite geosynthetic clay liner is in direct contact with the foundation below, so as to eliminate wrinkles. Any folding, folding or arching may cause the same thing to happen to other geotechnical materials in the soil layer. In order to avoid folding, folding and arching, we will eliminate these problems by relaying or cutting and repairing bentonite geosynthetic clay liner factory price produced by the China bentonite geosynthetic clay liner manufacturers as required by the technical instructions.

7. Wholesale bentonite geosynthetic clay liner equipment must be approved by the supervision engineer before use, do not allow the use of an unprotected razor or "fast knife". Construction equipment that may damage bentonite blanket shall not act directly on the bentonite blanket. The feasible laying method is to push the soil backward and spread out bentonite blanket in front of the bulldozer in front of the crane. If the machine leaves a vehicle mark on the foundation soil, it shall be restored to its original state before the laying work continues.

8. When laying bentonite blanket, try to reduce the drag of bentonite blanket on the foundation, so as not to cause damage to the contact surface between bentonite blanket and the ground. If necessary, a temporary layer of geotextile may be added to the ground to reduce the damage caused by friction during the laying of bentonite blankets.

Hot Tags: Bentonite geosynthetic clay liner, high quality, factory price, for sale, manufacturers, wholesale.