

TPO WATERPROOF MEMBRANE



Description

TPO waterproof membrane is made out of the binder of thermoplastic polyolefin (TPO) which combined by ethylene propylene rubber and polypropylene with advanced polymerization technology, also added into antioxidant, anti-aging, softener. Its reinforcing material is polyester fiber gridding fabrics, and the whole process of the waterproof sheet material manufacturing is used advanced technology.

Usage

- Roof.
- Underground construction.
- Corridor.
- Water conservancy project.
- Especially suitable for steel deck roof.

Advantages

- Perfect weather resistance, durability and weldability.
- Excellent low and high temperature flexibility, chemical resistance. It is flexible even under extreme weather, and still has mechanical strength at higher temperature.
- Coating film has high tensile strength, can be used on wet base, easy operation, can shorten construction term.
- Environmentally-friendly materials, harmless to surroundings and humans.

Application

- Surfaces should be clean, smooth and free from any dusts, oil.
- Pave the membrane on the surfaces and keep it flat and straight.
- The overlapping width is 120 mm, 50 mm is used for fasteners installed and make sure fasteners under the waterproof layer. Fasteners are installed according to designed position. Hot-air welding the overlap edge and pay more attention on the detail treatment.

Attentions

- TPO membranes reflect heat and light, wearing protective clothing (long-sleeved shirt, long-barreled trousers), and wearing a filter to protect the skin and eyes from UV-induced damage.
- Security measures for roof perimeter are necessary when application. Sheet surface is slippery when wet, taking care to avoid slide.
- No smoking during construction.

Technical Index

NO.	Items	Index
1	Base resin mm \geq	0.4
2	Water absorption(70°C, 168h)	\leq 4
3	Low temperature bending	-40°C, no crack
4	Impact resistance	0.5kg.m, no leak
5	Impermeability	0.3MPa, 2h no leak
6	Peel resistance N/mm \geq	3

Technical support

For more information, alternative applications or alternative proposals, please contact our Technical Department at the email address below.

Storage and transportation

Transportation: The product is generally non-flammable and non-explosive material and can be transported as general cargo. However, during transportation, it should be protected from freezing, rain, direct sunlight, crushing, and collision to ensure the packaging remains intact.

Storage: When storing, ensure proper ventilation, dry conditions, and protection from direct sunlight. The storage temperature should not be below 0°C, and the product should not be stacked more than three layers high.

Contact us

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