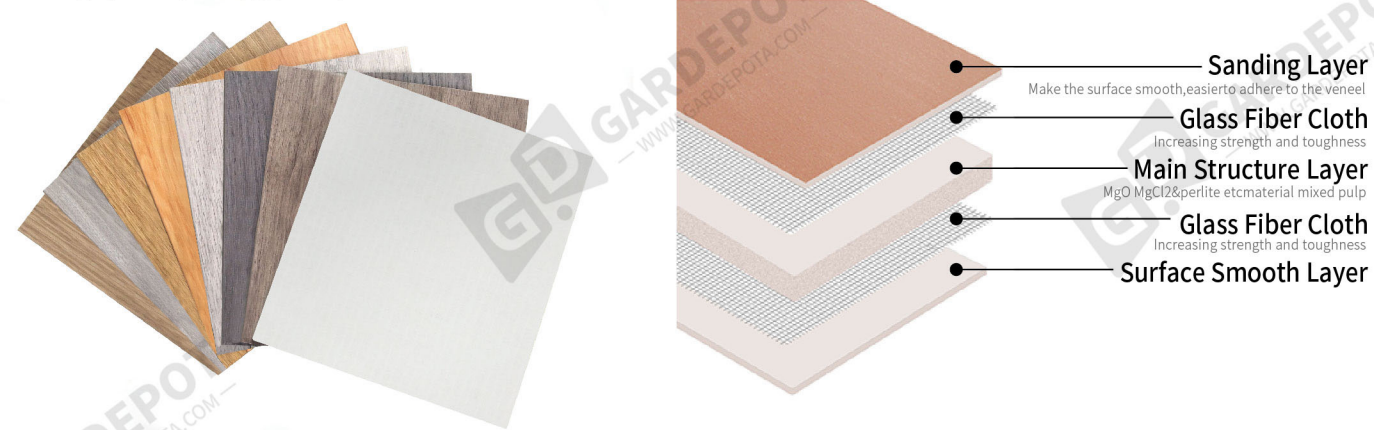


» Ecological Board

» Structure

The ecological board is made of lightweight cement and ore, high-quality fiberglass mesh as the backbone inside. Natural fire resistant and heat insulation materials, no asbestos, degradable materials. A substitute for conventional materials. Like cement board, plywood, OSB, gypsum, etc.



» Product Features



Excellent Fire Performance

The fire-retardant reached grade A1. 800°C no combustion, 1200°C no flame. Fire rating limited more than 4 hours. Its refractoriness temperature over 1200°C which is far more than the other materials.

Waterproof and Moisture-proof

In dry cold or wet weather, the board's performance is always stable, not affected by condensation of water and moist air. Even if put in water soaked for several days, it will not be deformed or soft.

High Strength

The board is light in weight, but its structure is compact, stable and non-deformable. It has excellent performance in impact resistance, compression resistance, tensile resistance and fracture resistance.

Environmental Health

The board does not contain asbestos or formaldehyde. When there is a fire, no smoke, no toxic, no peculiar smell. The production process is natural maintenance, less energy consumption. It produces 90% less CO2 pollutants compared to cement-based products.

Mothproof and Mouldproof

The board is made of magnesium oxide, magnesium chloride and other inorganic mineral powder, which has the functions of mold proof, bacteria proof, insect proof and termite proof.



» Application

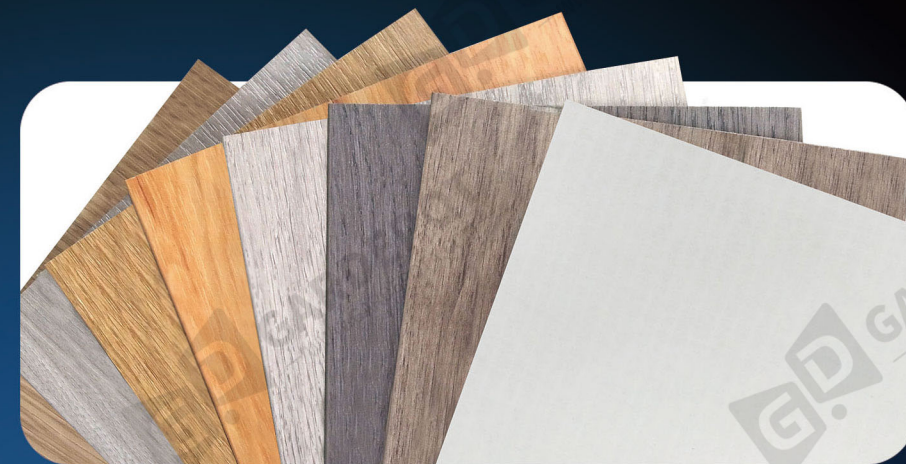
It can be used for all types of residential, commercial, industrial buildings, such as **wall/floor/backer board**, etc. Also be used as the **non-removal building formwork**.



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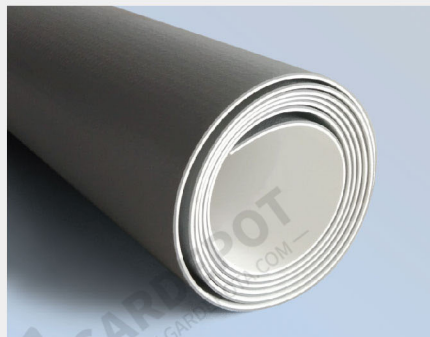


Professional Building Materials Supplier

Committed to the building material industry for decades



PVC \ TPO



»» PVC

PVC-P synthetic membrane reinforced with polyester mesh, with signal layer. Manufactured by coextrusion or cast process in a plant certified UNI EN ISO 9001 (Quality management system) and UNI EN ISO 14001 (environmental management system). Setting performed by applicators approved by Building depot. Finishing and accessories composed by elements produced and approved by Building depot. Note: the membranes produced by coextrusion and by cast process may have different surface finishes and shades.

»» TPO

TPO is a thermoplastic polyolefin sheet produced with a polyester scrim reinforcement. The fabric provides high breaking and tearing strength, as well as excellent puncture resistance. The membrane is environmentally friendly and safe to install with heat weldability.



Classification and definition of PVC\TPO

- Type P** Polyester fiber internal reinforcement; Suitable for mechanical fixing system; High tensile strength, low elongation at break, excellent long-term performance
- Type L** With fiber backing roll; Suitable for full adhesion system; Good elongation at break and excellent long-term performance
- Type H** Homogeneous roll; Suitable for detailed processing; Good mechanical properties, high elongation at break
- Type G** Glass fiber reinforced; Suitable for detail processing, non-exposed systems: good elongation at fracture, good dimensional stability and excellent long-term performance
- Type GL** Glass fiber inner reinforced tape fiber backing roll: suitable for full adhesion, non-exposed systems, good elongation at break, excellent long-term performance

»» Properties of TPO and PVC

- 1、 Energy saving and Environmental Protection
- 2、 Cold roof, light color helps to cool the roof, save energy
- 3、 Fast construction, little affected by weather
- 4、 Easy to check and low maintenance cost
- 5、 Suitable for various substrate (single roof, concrete, metal)

Used for:

- Roofing
- Pools
- Oil depots,
- Underground
- Engineering/metal maintenance systems



»» What is a silicone sealant?



Silicone sealants are used to seal joints in a wide variety of construction applications. BD sealant is Building depot's line of professional-grade silicone sealants that are ideal for applications including glass-to-glass and glass-to-metal surfaces. Silicone sealants are able to bond to most surfaces, particularly porous substrates such as concrete and masonry. These sealants have excellent adhesion to glass including conditions where the sealant is subjected to UV radiation at the bond line, color retention and applications with unusually high temperatures.

»» Advantages

- Ultra low modulus
- Unaffected by most atmospheric conditions
- Excellent resistance to UV and Ozone exposure
- Non-staining to most porous substrates
- Joint movement +50/-50 %
- Excellent adhesion to most substrates and surfaces
- One-component, moisture-curing
- Excellent gunnability in all temperatures

»» Usage

- Suitable for applications that have strict requirements for sealant durability in hot and cold environments
- Suitable for all kinds of building, stone, aluminum sheet, cement, doors and Windows, metal and other materials of aging waterproof and seal



Equipment bonding



Cold storage seal



Auto seal and accessory bonding



Building sealing and waterproofing

»» What is silicone coating?



Silicone coating is a coating of silicone polymer or silicone modified polymer as the main film forming substance, it has excellent heat and cold resistance, electrical insulation, corona resistance, radiation resistance, moisture resistance and water repellent, weather resistance, pollution resistance and chemical corrosion resistance, etc.. The silicone coating widely used as a waterproof coating for flat roofs and sloping roofs, including new roofs and roof repairs.

»» Physical property index

- No need for primer, good adhesion to various substrates
- Wide operating temperature range (-17°C to 48°C)
- Water resistance, rain after 30 minutes after construction
- Reflection energy saving, "cold" roof, 88% sunlight reflectivity, can save up to 35% of cooling costs in summer
- Wear resistant
- Excellent weather resistance
- Excellent UV resistance linearity
- Excellent elastic elongation

»» Applicable to the following substrates:

Metal, concrete, asphalt, plastic and other building materials

