FLEXGUARD PVC

MCGUIRE FLEXGUARD PVC

McGuire FlexGuard (PVC) waterproofing membrane. McGuire Roofing Products uses polyvinyl chloride resin as the main raw material of their PVC. McGuire FlexGuard PVC is created by adding different plasticizers, fillers, and anti-aging agents using a single extrusion process to produce their waterproofing membrane.

PRODUCT STRUCTURE

- Polymer resin sheet
- Internally reinforced fabrics
- Polymer resin sheet

PRODUCT FEATURES

Scientific material

The use of high-quality PVC as the basis of raw materials, also known as PVC, by vinyl chloride polymerization under the action of initiator thermoplastic resin, vinyl chloride homopolymer, vinyl chloride homopolymer and vinyl chloride copolymer collectively known as PVC resin.

Excellent physical properties

The membrane has a neat and stable molecular structure, which can reflect the sunlight, and the coil surface absorbs less heat, so it can be used in the underground environment for as long as 50 years, and in the exposed environment for more than 20 years.

Excellent quality

Our PVC is strong, has an impressive elongation, impact resistance, puncture resistance, low temperature flexibility, in inorganic, organic acid, salt, alkali, organic solvent and microbial environment can maintain good chemical stability, can adapt to the relatively harsh environment.

Safe and Environmentally Concious

In roofing construction, there is no need for a bottom coating and open fire application process

PRODUCT SPECIFICATION

Thickness	Width/m	Length/m
1.2	2	≥20
1.5	2	≥20
2.0	2	≥20

PRODUCT CATEGORIES

According to the composition of the product, it is divided into:
Smooth one (Category H), Fiber fleece-backed (Category L), Reinforced with polyester scrim (Category P)

APPLICATION SCOPE

Industrial and civil buildings, municipal buildings and various waterproofing projects.
Roofing by functional requirements: metal roofing, parking roofing, upper roofing, square garage roofing, etc.

IMPLEMENTATION STANDARDS

Product implementation GB 1252-2011 {{ Polyvinyl chloride waterproofing membrane}} Standard

ITEM		VALUE		
		H	L	P
Thickness of resin attaching to embedded scrim / mm ≥		—	—	0.4
Tensile property	Max tensile force/ (N/cm) ≥	—	120	250
	Tensile strength / MPa ≥	10.0	—	—
	Elongation at maximum tension / % ≥	—	—	15
	Elongation at break / % ≥	200	150	—
Dimensional variation after heating / 100 ≥		2.0	1.0	0.5
Low temperature flexibility		-25°C No Crack		
Impermeability		0.3 MPa 2h Impermeable		
Compression resistance		0.5 kg. m No penetration		
Tear strength of overlapping / (N/cm ≥		4.0	4.0	3.0
water absorption (80°C 168h) / % ≥	After being submerged in water	4.0		
	After drying	-4.0		
Heat aging (80°C)	Time duration	672h		
	Appearance	No bubble, crack, delamination, or pinhole		
	Retention rate of max tensile force / % ≥	—	85	85
	Retention rate of tensile strength / % ≥	85	—	—
	Retention rate of elongation at break / % ≥	80	80	—
	Low temperature flexibility	-20°C No Crack		
Chemical resistance	Appearance	No bubble, crack, delamination, or pinhole		
	Retention rate of max tensile force / % ≥	—	85	85
	Retention rate of tensile strength / % ≥	85	—	—
	Retention rate of elongation at break / % ≥	80	80	—
	Low temperature flexibility	-20°C No Crack		
Artificial Weathering	Time duration	1500h		
	Appearance	No bubble, crack, delamination, or pinhole		
	Retention rate of max tensile force / % ≥	—	85	85
	Retention rate of tensile strength / % ≥	85	—	—
	Retention rate of elongation at break / % ≥	80	80	—
	Low temperature flexibility	-20°C No Crack		