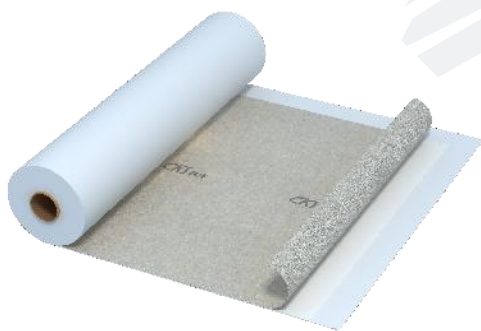


Aquaprufe APF-D110

Pre-applied Butyl TPO waterproof membrane



Product Description

Aquaprufe APF-D110 consists of a TPO sheet, a butyl self-adhesive layer and a unique particulate layer. The TPO film offers excellent resistance of heat aging, UV and chemical corrosion, while the butyl adhesive provides exceptional water and air tightness, preventing water from seeping into the gap between waterproof membrane and the structure.

Where To Use

- Waterproofing for basements of industrial and civil engineering.
- Pre-applied waterproofing system for walls and tunnels projects.

Technical Data Based For Reference

No.	Item	Index	Test method
1	Tensile strength,Mpa	15	ASTM D412-16(2021) Method A
2	Elongation at break,%	500	ASTM D412-16(2021) Method A
3	Peel strength,N/mm	1.8	ASTM D903-98(2017)
4	Puncture resistance,N	350	ASTM E154/E154M-08a(2019)section 10
5	Tear strength,N/mm	60	ASTM D624-00(2020)
6	Low temperature flexibility	-29℃,no visual cracks	ASTM Dq1970/D1970M-20 section 7.6
7	Water vapor transmission	<0.02g/(m ² ·h)	ASTM E96/E97M0-22

Product Features

- UV Resistant: Reduces room temperature under sunlight.
- Temperature Resilient: Stable bonding and easy repairs.
- Self-Healing: Repairs damages, seals small water points (2mm).
- Water & Air Tightness: Reliable protection against moisture and air infiltration.
- Self-protecting: Trafficable after application, no need for additional layers,saving time and labor
- Cold-Weather Application: Convenient and dependable construction.

System Component



TPO H type overlap
tape(Weld)



KS-501 sealant

Construction Procedures

Base cleaning → spring line positioning → Pave the waterproof membrane on the large surface → membrane overlapping → Seal the detailed nodes → Self inspection, repair and acceptance → Bind the reinforcement

Specifications

Product	Length x Width x Thickness
APF-D110	20m*1m*1.5mm; 20m*1m*1.7mm

Storage And Transportation

- The storage temperature should be maintained between 5° C and 45° C, avoiding exposure to direct sunlight and rain. Adequate ventilation should be ensured during storage.
- The material should be stored vertically as a single layer. Avoid contact with acids, alkalis, oils, organic solvents, etc.
- Shelf life is 12 months from the date of production under appropriate storage conditions.