Weberdry™ PVC R

PVC WATERPROOF MEMBRANE FOR ROOFING APPLICATION

SUPPLY

2.0m×20m/ Roll

T=1.2/1.5/2.0mm

DESCRIPTION

Weberdry PVC R series is a is a high performance polymer waterproofing membrane. It uses polyvinyl chloride as raw material, adding specified additives and anti-aging agents. The product has excellent tensile strength, high elongation, small shrinkage rate, good flexibility at low temperature and long operating life.

APPLICATIONS

Mainly apply to the roofing, also basement,water conservancy projects, rail transit projects and underground utility tunnel, grain storage, swimming pool, and other waterproof and moisture-proof projects of various industrial and civil building.

- Membrane reinforced with mesh (**Weberdry PVC R-PR**) is applied to the single ply roof waterproof system by mechanical fastening.
- Membrane with underlying layer of fabric (**Weberdry PVC R-FB**) is applied to the concrete substrate by full adhesion waterproof system.
- Homogeneous membrane (**Weberdry PVC R-H**) is applied to the flashing area with loose-lay method.

ADVANTAGES

- Excellent performance: High tensile strength, elongation, and stability after heat treatment.
- Versatility: Flexibility in low temperature and resistance to weather.
- Compression Resistance: Strong resistance to compression forces.
- Easy to apply: can be done on wet substrate. Heat_x0002_welded lap seams for easy construction.
- Anti-Corrosion: Outstanding corrosion resistance for specialized applications.
- Plasticity: Good plasticity for detailing application.

INSTALLATION PROCEDURES

01 Surface Preparation

Horizontal installation- Concrete surfaces or blinding surfaces must be free from any sharp protrusions, oil, grease, clean, dry, and other contaminants. Weberdry PVC R can be installed on damp substrate. Any stagnant water to be removed prior installation.

02 Installation

- Vertical Sheet Piling:
  Aquaprufe PVC can be used for blind side waterproofing after either using geniting,concrete,or plywood or other suitable material to provide uniform surface for membrane installation
- Membrane Installation:
  Weberdry PVC R should be overlapped using steel roller to ensure complete bonding and to achieve continuity. The membrane can be installed at temperatures of -5° C and above. When installing the membrane in cold weather, care should betaken to pre-heat the bonding edge with appropriate means such as hot air gun or other similar method.The membrane should be aligned against the previous laid sheet allowing for 120 mm edge lap sand 80 mm end lap.

Weberdry™ PVC R

PVC WATERPROOF MEMBRANE FOR ROOFING APPLICATION

STORAGE

- The storage temperature should be maintained between 5° C and 45° C, avoiding exposure to direct sunlight and rain. Adequate ventilation should been sured 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..

Weberdry PVC R-PR/H meet the requirement of ASTM D4434-21, type II

Test parameter	Units	MDL	Test results	Permissible limit	Test method
Resistance to static puncture	---	---	Pass	Shall be pass	ASTM D5602
Resistance to dynamic puncture	---	---	Pass	Shall be pass	ASTM D5635
Tensile strength	N	0.1	252	≥245	ASTM D751
Elongation at break	%	0.1	255	≥250	ASTM D751
Tear strength	N	0.1	50.5	≥45.0	ASTM D1004
Seam strength, of tensile or breaking strength	%	0.1	89.4	≥75.0	ASTM D751
Linear dimensional change	%	0.01	0.04	≤0.1	ASTM D1204
Low temperature bend	---	---	Pass	Shall be pass	ASTM D2136
Weight change after immersion in water	%	0.01	+0.92	≤ ± 3.0	ASTM D570
Overall thickness	mm	0.01	1.52	≥1.14	ASTM D751
SRI, Solar Reflectance Index	---	---	78.4	---	ASTM E1980
UV Ageing-1000h	---	---	No cracking or crazing	---	ASTM G154

Weberdry™ PVC R

PVC WATERPROOF MEMBRANE FOR ROOFING APPLICATION

Weberdry PVC R-FB meets the requirement of ASTM D4434-21, type III

Test parameter	Units	MDL	Test results	Permissible limit	Test method
Resistance to static puncture	---	---	Pass	Shall be pass	ASTM D5602
Resistance to dynamic puncture	---	---	Pass	Shall be pass	ASTM D5635
Breaking strength	N	0.1	955	≥890	ASTM D751
Elongation at break	%	0.1	25.4	≥15	ASTM D751
Tear strength	N	0.1	325	≥200	ASTM D1004
Seam strength, of tensile or breaking strength	%	0.1	92.5	≥75	ASTM D751
Linear dimensional change	%	0.01	0.13	≤0.5	ASTM D1204
Low temperature bend	---	---	Pass	Shall be pass	ASTM D2136
Weight change after immersion in water	%	0.01	+0.72	≤ ± 3.0	ASTM D570
Overall thickness	mm	0.01	1.53	≥1.14	ASTM D751
SRI, Solar Reflectance Index	---	---	72.4	---	ASTM E1980
UV Ageing-1000h	---	---	No obvious change	---	ASTM G154