

# 北新禹王·高分子(膜基)

BNBM YUWANG·High Polymer(Film Based)

## 系列防水卷材

Series Waterproof Membrane



400- 600- 0427

[www.yuwang.com.cn](http://www.yuwang.com.cn)



● 港珠澳大桥岛隧项目指定防水材料与施工单位

产品质量由中国太平洋财产保险承保



# 底蕴深厚 品行百年

## Profound Culture, Long-term Flourish

# 源于 1985

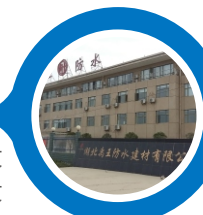
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### 1985



1985年5月从西班牙引进聚乙烯胎防水卷材生产线，拉开了中国聚乙烯胎改性沥青防水卷材生产的序幕；  
In May 1985, the production line of polyethylene base modified bitumen waterproof membrane was imported from Spain, which opened the prelude of the production of polyethylene base modified bitumen waterproof membrane in China.

### 1986



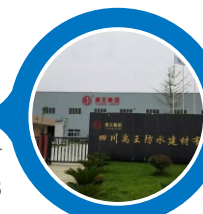
1986年禹王防水建材集团聚乙烯胎改性沥青防水卷材Q/PF 001.001正式发布；  
In 1986, Yuwang Waterproof Building Material Group formally released Q/PF 001.001 polyethylene base modified bitumen waterproof membrane.

### 1996



1996年以禹王防水建材集团聚乙烯胎防水卷材企业标准为基础的行业标准JC/T 663正式发布；  
In 1996, the industry standard JC/T 663 based on the enterprise standard of polyethylene base waterproof membrane of Yuwang Waterproof Building Material Group was officially released.

### 2003



2003年禹王防水建材集团联合建筑材料工业技术监督研究中心负责起草GB 18967-2003《改性沥青聚乙烯胎防水卷材》正式发布；  
In 2003, Yuwang Waterproof Building Material Group and Technical Supervision and Research Center of Building Material Industry were jointly responsible for drafting GB 18967-2003 Modified Bitumen Polyethylene Base Waterproof Membrane, which was officially released.

### 2006



2006年禹王防水建材集团CMR双重阻根聚乙烯胎防水卷材研制成功，填补了行业沥青基双重阻根类防水卷材的空白；  
In 2006, Yuwang Waterproof Building Material Group's CMR double root resistance polyethylene base membrane was successfully developed, which filled the gap of bitumen-based double root resistance waterproof membrane in the industry.

### 2007



2007年禹王防水建材集团参编JGJ 155-2007《种植屋面技术规程》中聚乙烯胎耐根穿刺防水卷材部分；  
In 2006, Yuwang Waterproof Building Material Group's CMR double root resistance polyethylene base membrane was successfully developed, which filled the gap of bitumen-based double root resistance waterproof membrane in the industry.

### 2016



2016年禹王防水建材集团负责起草GB/T 35468-2017《种植屋面用耐根穿刺防水卷材》。  
In 2016, Yuwang Waterproof Building Material Group was responsible for drafting GB/T 35468-2017 Root Penetration Resistance Waterproof Membrane for Planting Roof.

# Since 1985





## 优势

ADVANTAGE

### 高分子膜基优势

Superiority of Polymer Film

引进美国进口技术，研制出聚烯烃改性拉伸聚丙烯高分子膜基材料，该材料经三层流延及双向拉伸工艺处理，显著提高了传统高分子膜基材料抗拉伸性能、不透水性及材料施工稳定性。

A polyolefin modified stretching polypropylene polymer film-based material was developed by introducing imported technology from the United States. The material was treated by three-layer tape casting and biaxial stretching process, which significantly improved the tensile properties, impermeability and construction stability of the traditional polymer film-based material.

优势

### 胶质优势

Colloid Dominance

北新禹王高分子膜基系列防水卷材选用辽河油田优质重交沥青，结合西班牙、意大利自粘配方技术，所研制出的高分子膜基系列自粘胶质，真正实现自粘卷材低温粘结，突破传统自粘卷材低温施工瓶颈；水中粘结牢固，解决潮湿基面施工问题。

BNBM Yuwang polymer film-based series waterproof membrane selects Liaohe oilfield high-quality heavy intersection bitumen and combines Spanish and Italian self-adhesive formulation technology to develop a series of self-adhesive polymer film-based colloid, which can truly achieve low-temperature bonding of self-adhesive membranes, break through the bottleneck of traditional low-temperature construction of self-adhesive membranes, and solve the construction problem of wet base bonding in water.

优势

### 技术优势

Technological Superiority

北新禹王30多载技术沉淀，结合西班牙及意大利聚乙烯胎防水卷材研发经验及实际施工现状，改善生产工艺，突破固有卷材施工瓶颈，研制出高分子膜基系列防水卷材，大幅地提高其各项性能指标，切实节省建筑防水施工时间及综合费用。

BNBM Yuwang 30-year technical precipitation, combined with Spanish and Italian polyethylene based waterproof membrane research and development experience, and the actual construction status to improve the research and development production process and break through the inherent construction bottleneck of membrane. Thus, a series of polymer film-based waterproof membrane has been developed, which greatly improves the performance of each index, it also saves the construction time and comprehensive cost of structural waterproof.

优势

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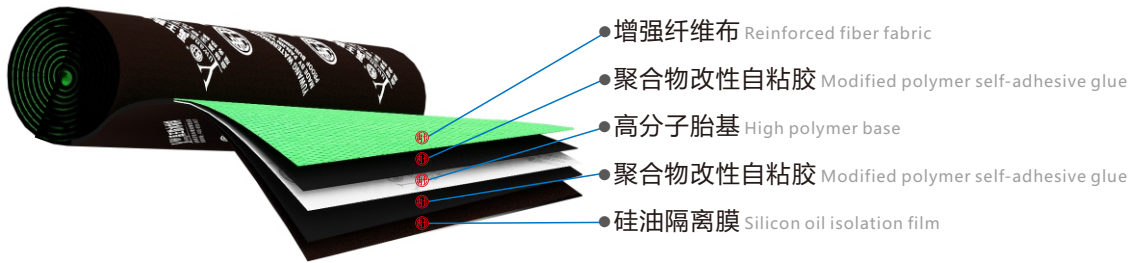
## YWF-800 超强防护型高分子自粘防水卷材

Ultra-strong Protective High Polymer Self-adhesive Waterproof Membrane

### 产品概述 Product Introduction

YWF-800超强防护型高分子自粘防水卷材是以高性能高分子材料为胎基，双面涂覆聚合物改性沥青自粘胶，上表面覆以耐撕裂、抗冲击的纤维布隔离材料制成的防水防护卷材。此卷材施工工法宜采用湿铺法或粘贴法。

YWF-800 Ultra-strong protective high polymer waterproof membrane is constructed with a reinforcing mat of modified high polymer film, which is coated with self-adhesive glue of polymer modified asphalt top and bottom. Surface is covered with tear resistance and impact resistance fiber isolation material. This membrane construction should adopt wet paving method or sticking method.



### 产品规格 Product Specification

长度/m	Length	20.0	15.0
宽度/m	Width	1.0	
厚度/mm	Thickness	1.5	2.0

### 执行标准 Executive Standard

GB/T 35467-2017《湿铺防水卷材》国家标准。  
GB/T 35467-2017 <Wet Paving Waterproof Membrane> national standard.

#### ●物性指标对比表 Physical Index Comparison Table

试验项目 Test item			国家标准（H类） National standard	YWF标准 YWF standard
拉伸性能 Tensile property	拉力/(N/50mm)≥	Tension	300	800
	最大拉力时伸长率/%≥	Elongation at max tension	50	60
撕裂力/N≥			20	60
钉杆撕裂强度/N			无规定 Unspecified values	300
不透水性（120min）			0.3MPa不渗水 Impermeable	0.8MPa不渗水 Impermeable
低温柔性/℃			-20	-20/-25

Profound Culture, Long-term Flourish



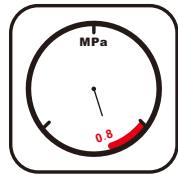
### 产品特点 Product Features

- 超强的不透水性，高达0.8MPa，特别适用于深基础、水位高、振动大、有化学侵蚀性介质的防水工程。
- 高强度纤维覆面材料，具有高强抗冲击及耐撕裂性能，可以节省建筑防水施工中的隔离层及保护层。
- 优异的抗拉伸性能，可达到聚酯毡卷材的同等效果。
- 施工无需明火，过程中无有害气体产生和释放，对环境及人体健康无害。

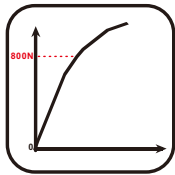
- Ultra strong impermeability, water resistance pressure up to 0.8MPa, especially suitable for deep foundation, high water level, vibration, eroded waterproof projects.
- The high strength fiber isolation material with high impact resistance and tear resistance performance, can save the isolation layer and protective layer in building waterproof constructions.
- Excellent tensile strength can get the same effect as that of polyester base membrane.
- There is no need for open fire in construction. No harmful gas is produced and released in the process, and it is harmless to the environment and human health.



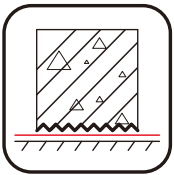
安全环保施工  
Safety and environmental protection construction



高强不透水性  
High strength water tightness



超强抗拉伸性  
Ultra strong scratch resistance



抗冲击耐撕裂性  
Shock resistance and tear resistance

### 应用领域 Scope of Application

主要适用于工业与民用建筑、公共建筑等各类地下、屋面防水工程，特别适用于深基础的地下工程。

Mainly applicable to industrial and civil buildings, public buildings and other types of underground, roof waterproof works, especially for deep foundation underground projects.





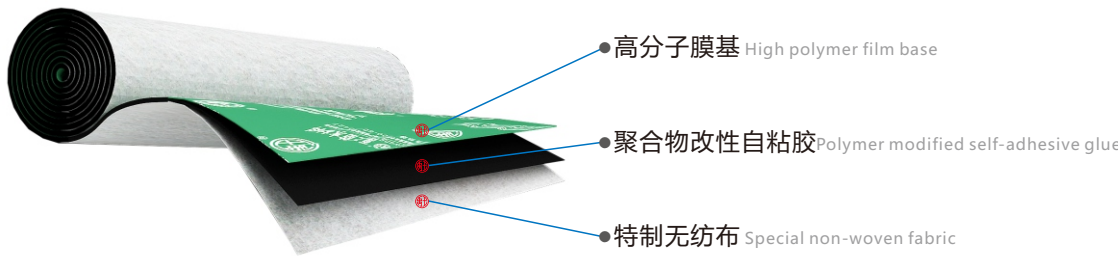
## YWF-400 超强复合型高分子自粘防水卷材

Ultra-strong Composite High Polymer Self-adhesive Waterproof Membrane

### 产品概述 Product Introduction

YWF-400超强复合型高分子自粘防水卷材是以强力复合膜为覆面材料，涂覆聚合物改性沥青自粘胶，下表面覆以特制无纺布隔离材料制成的防水防护卷材，是与非固化系列防水涂料复合使用的专用防水卷材。此卷材施工工法宜采用复合非固化防水涂料粘贴法。

YWF-400 Ultra-strong composite high polymer self-adhesive waterproof membrane is a special waterproof membrane used in combination with non-curing series waterproof coatings, which is used strong composite membrane as facing material, coated with polymer modified asphalt of self-adhesive glue and covered with special non-woven fabric isolating material on the lower surface. This membrane construction should adopt non-curable waterproof coating sticking method.



### 产品规格 Product Specification

长度/m	Length	20.0	15.0
宽度/m	Width	1.0	
厚度/mm	Thickness	1.5	2.0

### 执行标准 Executive Standard

GB/T 35467-2017《湿铺防水卷材》国家标准。  
GB/T 35467-2017 <Wet Paving Waterproof Membrane> national standard.

#### •物性指标对比表 Physical Index Comparison Table

试验项目 Test item		国家标准（H类） National standard	YWF标准 YWF standard
拉伸性能 Tensile property	拉力/(N/50mm)≥ Tension	300	400
	最大拉力时伸长率/%≥ Elongation at max tension	50	50
撕裂力/N≥ Tearing strength		20	50
不透水性（120min） Water tightness		0.3MPa不渗水 Impermeable	0.8MPa不渗水 Impermeable

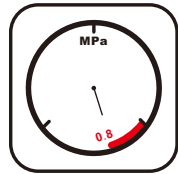
### 产品特点 Product Features

- 特制无纺布复合材料可与非固化涂料完全融合，YWF-400超强复合型高分子自粘防水卷材和非固化涂料复合后，整个复合防水层无空鼓、无隔离，完全具备了卷材和涂料双重优点。
- 具有高达0.8MPa水压的不透水性，适用于振动大、有侵蚀介质的防水工程。
- 施工过程中无需去除底面隔离材料，节省施工时间。

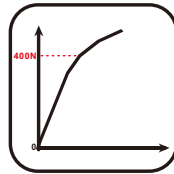
- Special non-woven fabric composite material can be fully integrated with non-cured waterproof coating. When YWF-400 ultra-strong composite high polymer self-adhesive waterproof membrane is combined with non-cured waterproof coating, the whole composite water barrier has no hollow drum and isolation, it has both advantages of waterproof membrane and coating.
- Water resistance pressure up to 0.8MPa, especially suitable for waterproof projects with large vibration and corrosive media.
- In the construction process, there is no need to remove the bottom isolation material to save construction time.



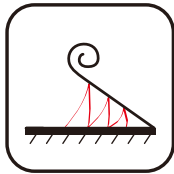
安全环保施工  
Safety and environmental protection construction



高强不透水性  
High strength water tightness



超强抗拉伸性  
Ultra strong scratch resistance



优异复合粘接性  
Excellent conformity to adhesiveness

### 应用领域 Scope of Application

适用于工业与民用建筑、公共建筑等各类地下、屋面等防水工程。

Mainly applicable to industrial and civil buildings, public buildings and other types of underground, roofing and other waterproof projects.

\*北京大兴国际机场  
Beijing Daxing International Airport



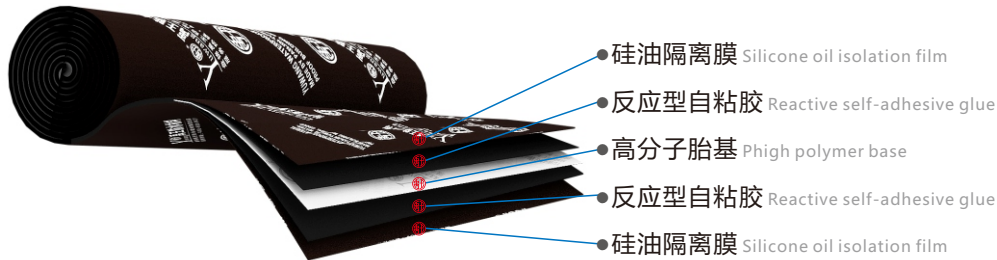
## YWQ-600 高强湿铺高分子反应粘防水卷材

High Strength Wet-paving High Polymer Reaction Adhesion Waterproof Membrane

### 产品概述 Product Introduction

YWQ-600高强湿铺高分子反应粘防水卷材是由高性能高分子材料为胎基，涂覆优质反应型自粘胶，表面覆以隔离膜材料制成的高分子自粘防水卷材。此卷材施工工法宜采用湿铺法或粘贴法。

YWQ-600 High strength wet-paving high polymer reaction adhesion waterproof membrane is made of high quality high polymer material as the base, coated with high quality reactive self-adhesive glue, and adopted isolation membrane material on the surface. This membrane construction should adopt wet paving method or sticking method.



### 产品规格 Product Specification

类型	Type	双面粘合 (D) Two-sided bonding	
宽度/m	Width	1.0	
厚度/mm	Thickness	1.5	2.0
长度/m	Length	20.0	15.0

### 执行标准 Executive Standard

GB/T 35467-2017《湿铺防水卷材》国家标准。  
GB/T 35467-2017 <Wet Paving Waterproof Membrane> national standard.

#### •物性指标对比表 Physical Index Comparison Table

	试验项目 Test item	国家标准 (H类) National standard	YWQ标准 YWQ standard
拉伸性能 Tensile property	拉力/(N/50mm)≥ Tension	300	600
	最大拉力时伸长率/%≥ Elongation at max tension	50	60
	伸长时现象Elongation phenomenon	胶层与高分子膜无分离 No separation between glue line and high polymer film	
低温柔性/°C	Low temperature flexibility	-20	-20/-25

### 产品特点 Product Features

- 优异的自粘性及与水泥粘结力，可在潮湿基面施工，应用范围广泛。
- 与混凝土反应粘结，形成密封防水层，杜绝窜水，有效阻止液态水和水蒸汽进入结构中。
- 抗拉强度高，对基层伸缩和开裂变形适应性强。
- 高分子湿铺卷材集高分子高强度、耐老化和反应密封胶蠕变抗裂、密封性能优异于一体，形成多重防水体系。

- Excellent self-adhesive and cement bonding force can be used in wet foundation construction, and has a wide range of applications.
- Reaction with concrete and then bonding, forming a sealed waterproof layer, prevent water leak, and effectively prevent liquid water and steam into the structure.
- High tensile strength, good adaptability to base expansion and cracking deformation.
- High polymer wet-paving membrane has the advantages of high strength of high polymer, aging resistance, creep crack resistance of reaction sealant and good sealing, forming a multiple waterproof system.

### 应用领域 Scope of Application

适用于隧道、桥梁、地下室等防水、防渗、防潮工程。

Suitable for waterproof of tunnels, bridges, basements, etc, anti-seepage and moisture proof projects.



\*北京燕莎地下顶板种植水系  
Construction of Beijing Yansha Friendship Shopping Mall Basement Roof Planting Water System Project  
1998年竣工



\*北京富国海底世界  
Construction of the Rich Underwater World  
1997年施工 / in 1997



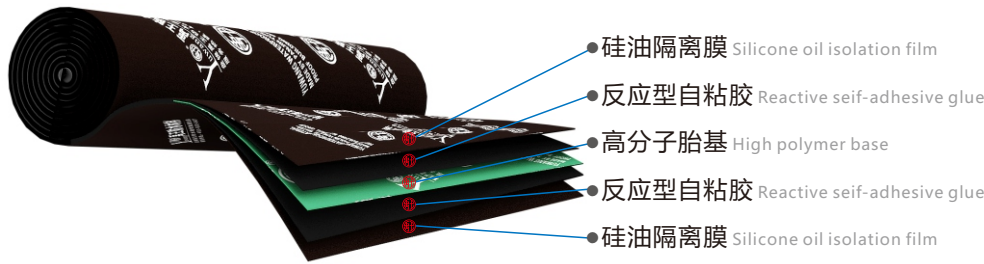
## YWQ-600 高延湿铺高分子反应粘防水卷材

High Elongation Wet-paving High Polymer Reaction Adhesion Waterproof Membrane

### 产品概述 Product Introduction

YWQ-600高延湿铺高分子反应粘防水卷材以高性能高分子材料为主体，涂覆优质反应型自粘胶，表面覆以隔离膜所制成的胶膜结合的防水卷材。此卷材施工工法宜采用湿铺法或粘贴法。

YWQ-600 High elongation wet-paving high polymer reaction adhesion waterproof membrane is mainly composed of high performance polymer materials, coated with high quality reactive self-adhesive glue, and covered with waterproof material of film bonding made of isolation film. This membrane construction should adopt wet-paving method or sticking method.



### 产品特点 Product Features

- 具有优异的尺寸稳定性和双向耐撕裂性能，其自身纵横网状结构有效解决了施工后容易起皱起鼓的问题。
- 具有高延伸率，抵抗结构变形性能优异。
- 具有独特的抗穿刺性。钉杆水密性优异，防水性能更佳。
- It has excellent dimensional stability and bidirectional tear resistance. Its own vertical and horizontal network structure effectively solves the problem of easy wrinkling and bulging after construction.
- It has high elongation and excellent resistance to structural deformation.
- It has unique puncture resistance. The nail bar has excellent water tightness and better waterproof performance than ordinary film.

### 应用领域 Scope of Application

适用于地下室、屋面、管廊、隧道、地铁等防水工程。  
Suitable for basement, roof, pipe gallery, tunnel, subway and other waterproof projects.

### 产品规格 Product Specification

类型	Type	双面粘合（D）		Two-sided bonding
宽度/m	Width	1.0		
厚度/mm	Thickness	1.5		2.0
长度/m	Length	20.0		15.0

### 执行标准 Executive Standard

GB/T 35467-2017《湿铺防水卷材》国家标准。  
GB/T 35467-2017 <wet shop waterproof rolling material> national standard.

### ●物性指标对比表 Physical Index Comparison Table

试验项目		Test item	国家标准（E类）	National standard	YWQ标准	YWQ standard
拉伸性能	拉力/(N/50mm)≥	Tension	200		300	
	最大拉力时伸长率/%≥	Elongation at max tension	180		300	
	伸长时现象	Elongation phenomenon	胶层与高分子膜无分离	No separation between glue line and high polymer film		
撕裂力/N≥		Tearing strength	25		50	
低温柔性/℃		Low temperature flexibility	-20		-20/-25	



\*宁波栎社机场  
Ningbo Lishe International Airport



\*广州白云机场  
Guangzhou Baiyun International Airport



\*天津东站交通枢纽  
Tianjin East Railway Station Transportation Hub



\*武广高铁  
Wuhan-Guangzhou High Speed Railway



\*大连城际铁路  
Dalian Intercity Railway





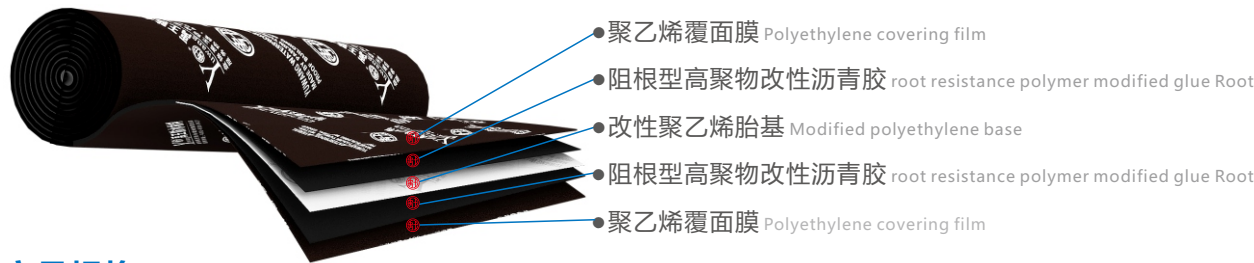
## YWT-800 超强聚乙烯胎耐根穿刺防水卷材

Ultra-strong Protective High Polymer Self-adhesive Waterproof Membrane

### 产品概述 Product Introduction

YWT-800超强聚乙烯胎耐根穿刺防水卷材是以改性聚乙烯材料为胎基，双面涂覆高聚物改性沥青胶，同时在胶质中添加进口化学阻根剂，表面覆以隔离材料制成的防水卷材。此卷材施工工法宜采用热熔法或复合粘贴法。

YWT-800 Ultra-strong polyethylene base root penetration resistance waterproof membrane is the type of root penetration resistance that using modified polyethylene as reinforcement, double side coating with polymer modified bitumen adhesive glue in which the root retarder is added at the same time, covering isolation materials on the surface. This membrane construction should adopt hot melt method or sticking method.



### 产品规格 Product Specification

长度/m	Length	10.0
宽度/m	Width	1.0
厚度/mm	Thickness	4.0

### 执行标准 Executive Standard

GB 18967-2009《聚乙烯胎改性沥青防水卷材》国家标准。  
GB 18967-2009 <Polyethylene Base Modified Bitumen Waterproof Membrane> national standard.

GB/T 35468-2017《种植屋面用耐根穿刺防水卷材》国家标准。  
GB/T 35468-2017 <Reinforcement Root Penetration Resistance Waterproof Membrane for planting roofing> national standard.

#### ●物性指标对比表Physical property index specification sheet

试验项目 Test item			国家标准 National standard	YWT标准 YWT standard
拉伸性能 Tensile property	拉力/(N/50mm)≥ Tension	纵向 Vertical	400	800
		横向 Horizontal	400	800
	断裂延伸率/%≥ Fracture elongation	纵向 Vertical	120	120
		横向 Horizontal	120	120
不透水性 Water tightness			0.4MPa 30min不透水 Impermeable	0.8MPa 120min不透水 Impermeable
低温柔性/℃ Low temperature flexibility			-20	-20/-25

### 产品特点 Product Features

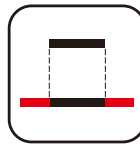
- 具有胎体物理阻根与胶质化学阻根的双重阻根效果，对比常规耐根穿刺防水卷材单一阻根性，阻根效果更具保障。
- 抗拉强度大（≥800N），延伸性能优异（≥120%），完全可以代替铜胎耐根穿刺卷材，适用于大型灌木的种植项目；同时解决了铜胎耐根穿刺防水卷材在施工和应用过程中，因铜胎断裂所造成阻根失效的问题。
- 改性聚乙烯胎体本身具有优异的致密性及不透水性（≥0.8MPa），SBS化学阻根防水卷材胎体为聚酯毡材质不具备防水功能，所以真正达到了胶质与胎体双重防水的效果。
- It has the double root resistance effect of physical and chemical root resistance of base. Compared with the single root resistance effect of conventional reinforcement root penetration resistance waterproof membrane, root resistance effect is more guaranteed.
- High tensile strength (> 800N) and excellent elongation (> 120%) can completely replace copper base root resistance puncture waterproof membrane, suitable for large shrub planting projects, and it also solves the problem of root resistance losing efficacy by fracture of copper base during construction and application of copper base reinforcement root penetration resistance waterproof membrane.
- Modified polyethylene base itself has excellent compactness and impermeability (> 0.8MPa). SBS chemical root resistance membrane base is polyester felt material and does not have waterproof function, so it really achieves the double waterproof effect of colloid and base.



高强不透水性  
High strength  
water tightness



双重防水特性  
Dual waterproof  
characteristics



优异延伸性  
Excellent  
extensibility



双重阻根性  
Dual root  
resistance

### 应用领域 Scope of Application

主要适用于种植工程的屋面、地下室顶板、管廊顶部及水系景观等防水工程。  
It is mainly suitable for waterproof projects of roof, basement roof, pipe gallery roof and water system landscape.

Be eearnest  
No leakage  
滴水不漏