



HONGYUAN  
WATERPROOF

**EXSEDE®**

Polymer Adhesive Film (Non-asphalt Base)  
Waterproof Membrane



HONGYUAN WATERPROOF



## Polymer Adhesive Film (Non-asphalt Base) Waterproof Membrane

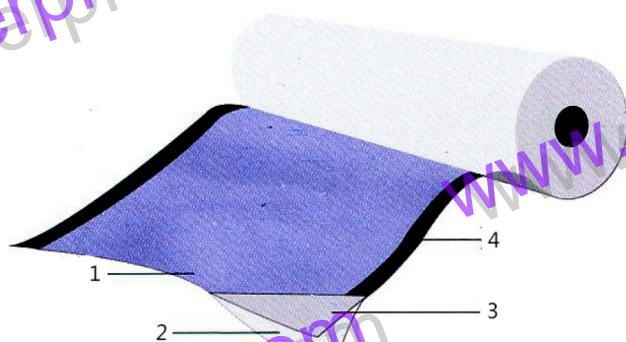
### Product Description

- Multi-layer composite: high density polyethylene (HDPE) film, high polymer adhesive layer, and unique process reaction-type inorganic polymer particle;
- High-quality raw material: with high density polyethylene resin as the raw material, mixing inhibitor, antioxidant, UV absorbent, stabilizer and other functional materials, and adopting international advanced injection molding and rubber mixing technology.
- High adhesive strength: adopting macromolecular binding material and pre-processing quartz material for strong adhesive strength with pre-applied concrete;



### Product Structure

1. Mineral Particle;
2. High Polymer Sheet;
3. Self-adhesive Insulation Layer;
4. Self-adhesive High Polymer



### Product Features



Overlapping Treatment for Easy Construction



No Protective Layer and Accessible after Construction



Puncture Resistant, Long Life and Weather Fastness



Reducing Construction Period by 1/3



High Peeling Strength in Long-term Immersion Environment



Organically Combine with Concrete to Prevent Water Infiltration Clearance



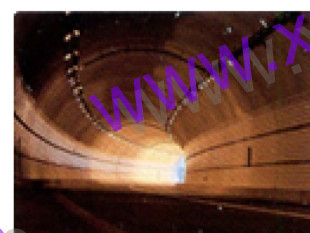
## Application Scope

High polymer self-adhesive film waterproof membrane is specially designed for underground waterproofing. Thus, it is applicable to underground structures or tunnels, rather than exposed walls or roofs of ground structures



## Attention

- Loose pavement;
- Single side adhesion;
- No protection layer, and waterproof membrane is accessible immediately after construction;
- Free from on-the-spot dusting;
- Construction may be implemented directly on the material



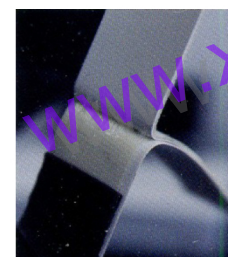
## Pre-applied Reverse-adhesion Construction Process

### ● Construction Process for Planar Membrane

Base course cleaning → base course setting out → paving of non-asphalt base self-adhesive film waterproof membrane → membrane overlapping → detail treatment → self-inspection, reparation, and acceptance → reinforcement binding → concrete placement

### ● Construction Process for Facade Membrane

Leveling of base course of enclosure structure → base course inspection and cleaning → membrane positioning and setting out → paving and mechanical fixing of non-asphalt base self-adhesive film waterproof membrane → membrane overlapping → detail treatment → self-inspection, reparation, and acceptance → reinforcement binding → concrete placement



Adhering with Base Course



Overlapping Edge

## Performance Index

Executive Standard: GB/T 23457-2009

SN	Items	Standard Values
1	Tensile Strength	500N/mm
2	Extensibility (%)	400%
3	Screw Rod Tear Strength (N)	400N
4	Anti-channeling	0.6MPa
5	Low Temperature Flexibility	-25°C, no fissure
6	Concrete Peeling Strength before Treatment	2.0N/mm
7	Thermal Aging and Concrete Peeling Strength	1.5N/mm
8	UV Aging and Concrete Peeling Strength	1.5N/mm
9	Thermal Resistance	70°C, 2h, no displacement, flowing or dropping

## Application Scope

- Products of different models and specifications shall be transported and stored separately, avoiding mixing;
- The product shall be preserved indoors or on goods pallet with cover to avoid direct sunlight, rain, and temperature above 40° C;
- The stacking height of horizontally placed membrane shall not exceed 3 layers;



Avoid Direct Sunlight



Protect from Rain

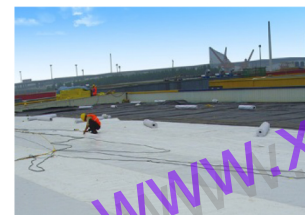


Storage Temperature below 40° C



Max Stack Layer

## Engineering Cases





## Introduction to HONGYUAN WATERPROOF

Hongyuan Waterproof was founded in 1996. As a professional waterproof system supplier integrating scientific research and development, production and sales, and construction service altogether, Hongyuan is also recognized as a key high-tech enterprise in national torch project, the only waterproof enterprise of national housing industrialization base, one of the Chinese real estate suppliers with top5 comprehensive service strength in 2014, and a leading enterprise engaged in China's waterproof industry.

So far, Hongyuan has established five major production bases, including Weifang Hongyuan Waterproof Materials Co., Ltd, Sichuan Hongyuan Waterproof Engineering Co., Ltd, Jiangsu Hongyuan Zhongfu Waterproof Materials Co., Ltd, Jilin Hongyuan Waterproof Materials Co., Ltd, and Guangdong Hongyuan Chemical Building Materials Co., Ltd (under preparation). The Group also has branch companies in Beijing, Shanghai, Guangzhou, Tianjin, Chongqing, and Chengdu, offices in nationwide cities of prefecture or higher level, over 300 excellent agents, as well as more than 1000 franchised dealers and after-sales service agencies.

Hongyuan Waterproof has 41 modern waterproof material production lines leading to annual production capacity of waterproof membrane up to 150 million square meters, coating up to 80,000 tons, and overall brand competitiveness top3 in the industry. Products of the company consist of 9 major series and over 100 varieties, covering all waterproof fields from railway, road and bridge, public facility to civil construction, industry, and military project, and basically realizing full coverage of all product varieties and functions. The Company successively won honorable titles of "National Inspection-free Product", "Chinese Famous Brand of Building Waterproofing Industry", and "National Quantity Award of Waterproof Industry". So far, Hongyuan has participated in the establishment of more than 50 national and industrial standards of waterproof material products, over 90% of Hongyuan's products are on the advanced level in domestic China, and multiple products are original in China. Products of Hongyuan are sold far to 33 countries and regions, including Japan, Malaysia, India, Nigeria, Congo, Australia, New Zealand, UK, US, Canada, Brazil, Chile, etc.

In future, Hongyuan will implement the development strategy of establishing brilliant organizational culture, forming market-oriented core competitiveness, and building creative team to provide customers with exceeding-expectation products, services, and values. Adhering to social responsibilities and upholding market rules, Hongyuan will make efforts to realize sustainable and leap-forward development, so as to become a world's first-rate waterproof enterprise.

## HONGYUAN ADVANTAGE



### Brand

HONGYUAN Waterproof is professional waterproof system supplier integrating scientific research and development, production and sales, and construction service altogether, and a leading enterprise engaged in China's waterproof industry.

### Quality

HONGYUAN Waterproof has passed ISO9001, ISO 14001 Quality and Environment Certification, as well as GB/T28001 Vocational Health Safety Management System Certification, with traceable production process and 6S management concept.

### System

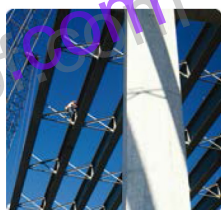
HONGYUAN Waterproof can undertake projects with area of more than 2 million m<sup>2</sup>, and has over 50 technical service staffs with senior professional title, as well as more than 30 National First Level constructors and waterproof technicians for "one-stop" service.

### Channel

HONGYUAN Waterproof has 5 productions bases in Shandong, Sichuan, Jiangsu, Jilin, and Guangdong, 7 branch companies in Beijing, Shanghai, Guangzhou, Tianjin, Chongqing, and Chengdu, branch offices in most cities in China, more than 300 outstanding agents and over 1000 franchised dealers and after-sales service providers.

### Competition

HONGYUAN Waterproof adheres to scale production, adopts advanced technology and equipment, and takes technical innovation and research optimization as the foundation, providing customers in different fields with the same choices.



Quality Create the Future

**HONGYUAN WATERPROOF**

Welcome to visit our website:

[www.xtopwaterproof.com](http://www.xtopwaterproof.com)

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