XINIUPI YIPINNENG
REACTIVE ADHESIVE WATERPROOFING MEMBRANE
西牛皮 一品能反应粘防水卷材

CPS-TS REACTIVE ADHESIVE TYPE SKIN-CORE STRUCTURE HOT-PRESSED CROSS-LINKED POLYMER MATRIX WET-LAID WATERPROOFING MEMBRANE

一品能 **CPS-TS** 反应粘结型皮芯结构热压交联高分子胎基湿铺防水卷材

MANUFACTURER: XINIUPI WATERPROOFING TECHNOLOGY CO., LTD.
制造商：西牛皮防水科技有限公司

XINIUPI YIPINNENG
REACTIVE ADHESIVE WATERPROOFING MEMBRANE

西牛皮 一品能反应粘防水卷材

Special for Sealing waterproofing of Concrete Structure
混凝土建筑密封防水专用

HIGH PERFORMANCE 一品高能 一品多能
MULTIPLE FUNCTIONS

One category solves all concrete structure waterproofing needs

一个品类就能解决混凝土建筑全部位防水问题

NATIONAL DOUBLE AWARD TECHNOLOGY UPGRADED PRODUCT 国家双奖技术升级产品

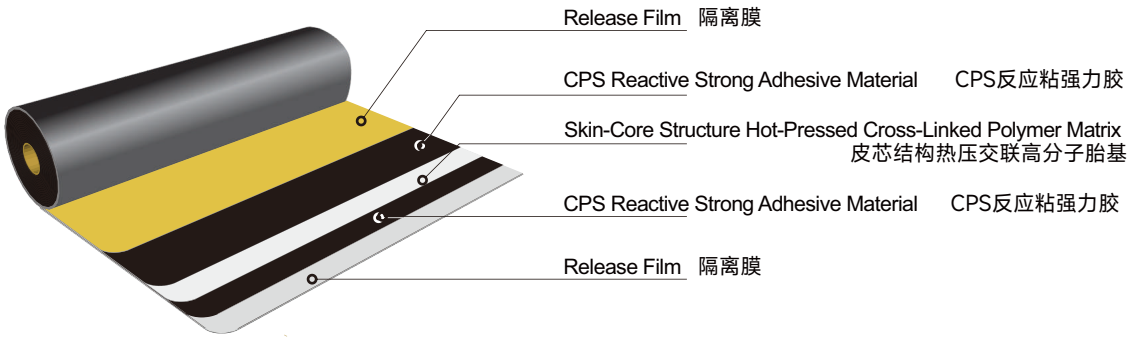
⊙ NATIONAL KEY NEW PRODUCT
GUO KE FA JI. [2014] NO. 303
国家重点新产品 国科发计〔2014〕303号


国 家 重 点 新 产 品
证 书
项目名称：CPS反应粘结型湿铺（I型）防水卷材　项目编号：2014GR609014
承担单位：广西金雨伞防水装饰有限公司　发证时间：二〇一四年十月
批准机关：科学技术部　有 效 期：三 年

⊙ CHINA PATENT EXCELLENCE AWARD
GUO ZHI FA GUAN ZI. [2014] NO.63
中国专利优秀奖 国知发管字〔2014〕63号


国家知识产权局
中国专利优秀奖

01 Product Introduction
产品简介



Schematic Diagram of Yipinneng Wet-laid Type (Double-sided Adhesive) Structure

一品能湿铺型(双面粘)结构示意图

Yipinneng Reactive Adhesive Wet-laid waterproofing Membrane (i.e., Yipinneng CPS-TS Reactive Adhesive Type Skin-Core Structure Hot-Pressed Cross-Linked Polymer Matrix Wet-laid waterproofing Membrane) is a new type of sealing waterproofing material specially developed for the characteristics of domestic concrete building structures. One category of it can achieve the overall sealing waterproofing effect for all environments and all parts of concrete buildings.

It is composed of a skin-core structure hot-pressed cross-linked polymer matrix (hereinafter referred to as: skin-core structure strong reinforcement) and CPS Reactive Strong Adhesive Material.

一品能反应粘湿铺防水卷材（即一品能CPS-TS反应粘结型皮芯结构热压交联高分子胎基湿铺防水卷材）是针对混凝土建筑结构特点专门研发的新型密封防水材料。它一个品类就能实现混凝土建筑全环境、全部位整体密封防水效果。

一品能反应粘湿铺防水卷材由皮芯结构热压交联高分子胎基（以下简称：皮芯结构强力筋）与CPS反应粘强力胶复合而成。

02 Product Technology
产品技术

Core Technology 核心技术 ①

Reactive Adhesion 2.0 Technology 反应粘2.0技术

Irreversible Interface Adhesive Technology:

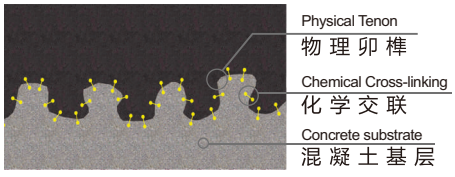
Let the waterproofing layer "grow" with concrete, achieving long-lasting Adhesive, sealing waterproofing without water channeling

不可逆的界面粘结技术 让防水层跟混凝土“长”在一起
持久粘结 密封防水不窜水

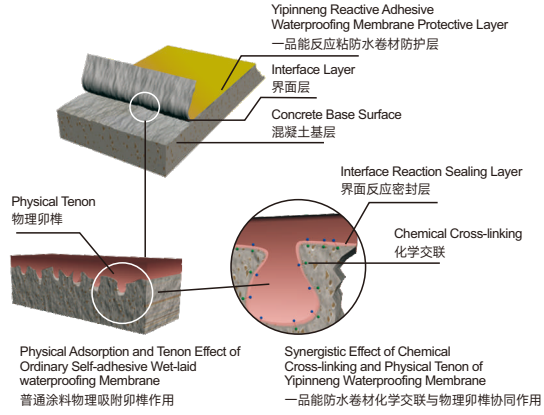
the China Patent Excellence Award 技术获中国专利优秀奖

Chinese Invention Patent 中国发明专利:ZL200910114456.X

C 化学交联 Chemical Bonding
P 物理卯榫 Physical Crosslinking
S 协同作用 Synergism



Schematic Diagram of Interface Reaction Adhesive Structure
界面反应粘结结构示意图



Schematic Diagram of CPS Reactive Adhesive Interface Adhesive Technology
CPS反应粘界面粘结技术原理图

The reactive adhesive interface adhesive technology is a unique interface Adhesive technology developed by Xiniupi waterproofing specially for the sealing waterproofing of concrete buildings. It is designed to solve the problems of de-adhesive and hollowing that occur when ordinary waterproofing membranes are bonded to concrete, which are easily affected by factors such as environmental moisture-heat cycles, water vapor swelling, and substrate movement.

It won the China Patent Excellence Award in 2014. It is the only asphalt-based waterproofing membrane that has won the China Patent Award. This patented technology product is the first revolutionary breakthrough in concrete sealing waterproofing, filling the gap in this field and solving the global problem of concrete sealing waterproofing.

CPS反应粘界面粘结技术是西牛皮防水专门针对混凝土建筑密封防水，为解决普通防水卷材与混凝土粘结过程中易受环境湿热循环、水汽溶胀、基层运动等因素影响，产生脱粘、空鼓等问题而研制的独特界面粘结技术。

2014年获得中国专利优秀奖。这是唯一获得中国专利奖的沥青类防水卷材，该项专利技术产品是对混凝土密封防水首次革命性突破，填补了该领域的空白，解决了世界混凝土密封防水的难题。

Xiniupi and Tsinghua's Prof. Li Guangtao's research group jointly developed

西牛皮与清华大学李广涛教授科研组共同合作研发

Group photo of representatives from Tsinghua's Prof. Li Guangtao's research group and Xiniupi's cooperative research team

清华大学李广涛教授科研团队与西牛皮防水合作课题团队代表合影

"Grow" with Concrete Base Surface

与混凝土基面“长”在一起

CPS reactive adhesive chemically crosslinks with cement hydration components, creating an interpenetrating network seal through combined chem-physical bonding. This achieves irreversible substrate integration, resolving three core flaws of conventional membranes: weak adhesion, rapid aging, and environmental vulnerability.

它是一种“活”性防水材料。CPS反应粘强力胶通过与水泥活性成分发生化学交联，形成“互穿网络式”的密封层，实现不可逆的粘结效果。彻底解决了传统卷材粘结力弱、易老化、环境适应性差三大痛点。

Irreversible Adhesive Technology 不可逆的粘结技术

Greater and Longer-Lasting Bonding Strength: Achieves irreversible substrate bonding via synergistic reactive bonding, mechanical interlock, and chemical crosslinking – even under extreme stress.

More stable waterproofing layer:: The reactive adhesive forms an interpenetrating grid structure with the dual-layer reinforcement core, ensuring material stability and extending service life up to 30 years.

粘结力更大更持久：反应粘结，物理卯榫和化学交联协同作用下，与基面粘结更牢固，且粘结不可逆。

防水层更稳定：反应粘强力胶与皮芯胎基形成互穿网格结构，材料结构稳定，材料寿命更长！

Penetration and Bonding Effect of CPS Reactive Adhesive on Concrete Interface

CPS反应粘强力胶对砼界面渗透粘结效果

Can "Grow" with Concrete 能跟混凝土“长”在一起

CPS reactive adhesive forms a continuous, compact interfacial sealing layer on concrete substrates—preventing water channeling even when the membrane is punctured.

CPS反应粘强力胶在混凝土基面上形成连续致密的界面密封层，即使防水层破损也不会窜水。

The CPS reactive adhesive firmly bonds to the concrete interface and can "grow" together with the concrete.

CPS反应粘强力胶与砼界面牢固粘结

Core Technology 核心技术 ②

The Germany-based Freudenberg High-Performance Reinforcement Core

德国科德宝高性能胎基应用技术

Thin yet strong | Flexible and crack-resistant | Lightweight and conforming

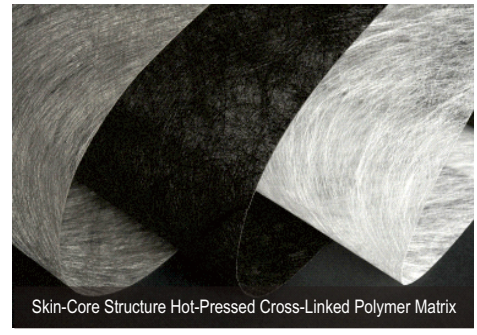
让卷材薄而强、柔韧抗裂、轻薄伏贴

German Freudenberg High-performance Matrix

德国科德宝高性能胎基

The Germany-based Freudenberg High-Performance Reinforcement Core—jointly developed by Xiniupi and Freudenberg Performance Materials Group—is a skin-core composite long-fiber tear-resistant fabric. Its long-fiber yarns feature a specialized "skin-core" structure, which forms a polymer-based membrane with balanced performance metrics through the thermocompression bonding formation process.

本产品胎基是与德国科德宝高性能材料集团共同开发。由“皮芯”结构的纺线经热压交联工艺制成的长纤维抗撕裂胎基。



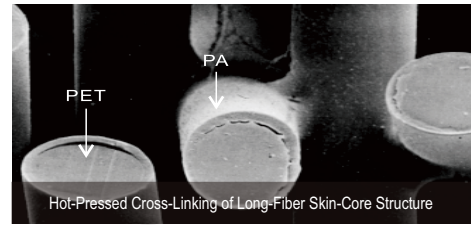
Skin-Core Structure Hot-Pressed Cross-Linked Polymer Matrix

Thin yet Strong Skin-Core Structure

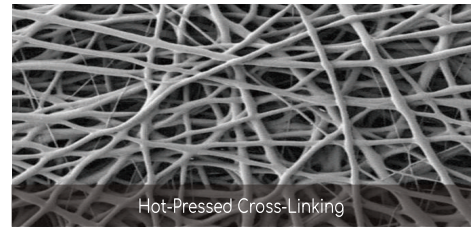
皮芯结构 薄而强 性能均衡

The reinforcement core features a PA polymer outer layer and PET polymer inner core. These dual layers work in concert to share and disperse stresses, endowing the core with enhanced elasticity, reinforced toughness, and improved conformity. This performance equilibrium enables seamless adaptation to diverse architectural configurations, thereby delivering superior sealing performance.

此胎基皮层为PA材质，芯层为PET材质，内外层共同受力、分散应力，使胎基更弹更韧更伏贴，性能均衡，能随形伏贴于各类构造，从而实现更好的密封防水效果。



Hot-Pressed Cross-Linking of Long-Fiber Skin-Core Structure



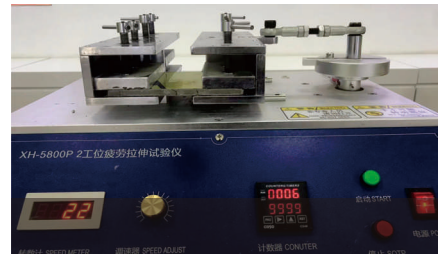
Hot-Pressed Cross-Linking

Performance Features 性能特色

Thin Yet Strong · Tear-Resistant 薄而强 抗撕裂

The Germany-based Freudenberg High-Performance Reinforcement Core delivers superior tear resistance compared to conventional polyester substrates and polymer membranes of equivalent weight/area. Its optimized extensibility-strength profile maintains structural integrity during deformation in engineering applications.

同等面积与重量的德国科德宝高性能胎基，比传统聚酯胎、高分子膜等拥有更高的抗撕裂能力，良好的延伸性和强度，使其在工程应用过程中，可以适应各种变形运动而不被损伤。

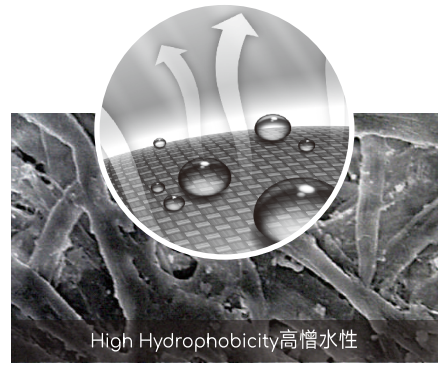


Fatigue tensile test: 1.5mm yipinneng membrane withstood 10,000 tension-compression cycles (exceeding standard 5,000 cycles) while maintaining water barrier integrity （0-0.5mm,1Hz)
疲劳拉伸实验测试：1.5mm厚一品能卷材试样，能承受1万次伸缩循环无破坏（0-0.5mm,1Hz)

Structurally Integral · Delamination-Resistant · Mold-Proof 结构稳定 不分层 不霉变

The Germany-based Freudenberg Reinforcement Core features optimized open-structure porosity for complete impregnation with CPS reactive bonding adhesive. Its non-absorptive polymer skin prevents moisture-induced delamination and microbial degradation by eliminating adhesive encapsulation defects.

德国科德宝高性能胎基具有其优异的开放结构与高孔隙率，可与CPS反应粘强力胶完全浸渍融合；且皮层不含胶水、不吸水，能避免胎基因未被胶料包覆而出现吸水膨胀分层、霉变腐烂等质量问题。



International cooperation 国际合作

Strong Joint Development by Xiniupi and German Freudenberg High-performance Materials Group
西牛皮与德国科德宝高性能材料集团强强联合开发

03 Application Advantages
应用优势

Can achieve full-sealed waterproofing 能全密封防水

Strong Adhesion, Long-Lasting Bond, Irreversible Bonding, and Sealed Waterproofing to Prevent Water Migration

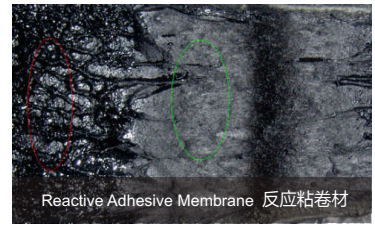
粘得牢 粘得久 粘结不可逆 密封防水不窜水

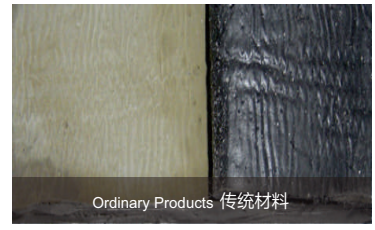
Reactive bonding, " grow" with concrete — Solving the Problems of Short Service Life of waterproofing Layer

反应粘结 跟混凝土长在一起
——解决防水层防水寿命短的难题

The waterproofing membranes adhere tightly to concrete or cement mortar substrates through the synergistic effect of physical interlocking and chemical cross-linking, forming a continuous and dense interfacial sealing layer. This bonding is irreversible; the waterproofing layer remains unaffected by thermal-humidity cycles, moisture swelling, and substrate movement, maintaining long-lasting adhesion. Thus, the waterproofing lifespan of the membrane is equivalent to that of the main structure layer.

一品能反应粘湿铺防水卷材通过物理卯榫与化学交联协同作用，紧密附着在混凝土或水泥砂浆基面，形成连续致密的界面密封层，这种粘结不可逆，防水层不受湿热循环、水汽溶胀、基层运动影响，持久粘附，从而使卷材的防水寿命与主体层相同。


Reactive Adhesive Membrane 反应粘卷材

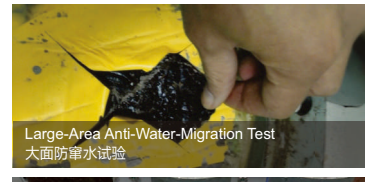

Ordinary Products 传统材料

No Water Leakage at Joints and No Water Channeling at Damages Under 60 Meters Water Pressure —Solving the Problems of Unfirm and Non-Durable Adhesive of waterproofing Layer and Water Channeling

60米水压接边不漏水、破损不窜水
——解决防水层粘不牢、粘不久，窜漏水难题


高分子湿铺防水卷材
验证试验报告

Testing Institution: Beijing Building Materials Inspection and Research Institute
检测机构:北京建筑材料检验研究院


Large-Area Anti-Water-Migration Test
大面防窜水试验


Lap Edge Anti-Water-Migration Test
搭接边防窜水试验

Under the test condition of 0.6MPa, the joints of CPS reactive adhesive membranes do not leak water, and there is no water channeling in large-area damages, so the waterproofing is safe and reliable.

在 0.6MPa 测试条件下，CPS反应粘卷材接边不漏水，大面积破损不窜水，防水安全可靠。

Can be easier to apply 能更易施工

Can be applied in all positions, all environments, and all weather conditions

全部位 全环境 全天候施工

- **One product for floors, walls, and roofs.**
  It solves the quality problems and management difficulties caused by the incompatibility of two types of traditional materials and the chaos of three types.
  底板、侧墙、顶板工程全部一品搞定。
  解决传统材料品不相容，三品全乱套的质量通病与管理难题。

- **Thin yet strong, flexible and crack-resistant, excellent conformity for easy application, and higher construction efficiency.**
  It solves the common problems of traditional materials, such as being stiff, non-adherent, and difficult to construct.
  薄而强，柔韧抗开裂，伏贴好施工，作业效率更高。
  解决了传统材料硬挺不伏贴，难施工的通病。

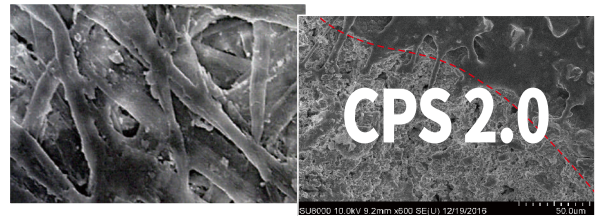
- **Adheres wet/dry, handles complex environments.**
  It adheres whether the surface is dry or wet, adapting to complex on-site environments.It solves the problem that traditional materials cannot be applied due to dampness, unevenness, or contamination of the substrate.
  干也粘、湿也粘，适应现场复杂环境。
  解决了传统材料基面潮湿潮气、不平整不干净，无法施工的难题。

Can provide more long-term waterproofing 能更长效防水

Lifecycle-Long Sealing, Long-Term Waterproofing, and Higher Cost-Effectiveness

全生命周期密封 长效防水 性比价更高

- **The reactive adhesive forms a dual-stable structure with the carcass/substrate.**
  It interpenetrates and composites with the carcass, resulting in a stable structure that resists delamination and ensures a longer service life.
  It interpenetrates and composites with the substrate, achieving a strong bond that prevents debonding and ensures durable waterproofing.
  反应粘胶与胎基/基面形成双稳定结构。
  与胎基互穿复合，结构稳定抗分层，寿命更长。
  与基面互穿复合，粘结牢固不脱粘，防水耐久。



- **On-Site Composite, Rigorous Protection, Longer Service Life, and Better Comprehensive Cost Performance.**
  现场复合，硬核防护，寿命更长，综合成本更优。

Long Lifespan 寿命长 + **Simplified Structure** 省构造 + **Quick Construction** 工期短 + **Low Maintenance Cost** 维护成本低 = ***High Cost-Performance Ratio*** 高性价比

Optimize the leveling course (save labor)

Optimize the protective layer (save material)

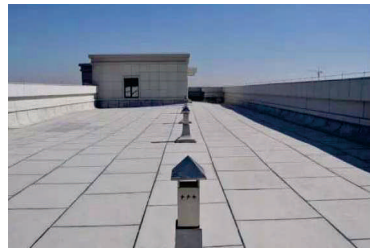
Optimize construction schedule (save time)

Ultra-low repair rate (save money)

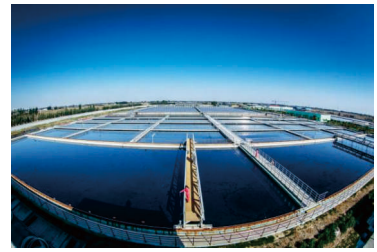
04 Scope of Application
适用范围

It is suitable for waterproofing in construction and municipal engineering such as underground structures, roofs, interiors, and water-storage facilities.

适用于地下、屋面、室内、蓄水类等建筑与市政工程防水。





05 Specifications and Product Technical Indicators
规格型号及产品技术指标

◉ Specifications and Models 规格型号

Product Name 规格型号	Model 型号	Area 面积
Yipinneng CPS-TS Reactive Adhesive Type Skin-Core Structure Hot-Pressed Cross-Linked Polymer Matrix Wet-laid waterproofing Membrane 一品能CPS-TS反应粘结型皮芯结构热压交联高分子胎基湿铺防水卷材	1.5mm Double-sided Adhesive 1.5mm 双面粘	20m²
	2.0mm Double-sided Adhesive 2.0mm 双面粘	15m²

◉ Main Physical Performance Indicators 主要物理性能指标

Serial Number 序号	Item 规格型号		Technical Indicator 规格型号
1	Tensile Performance 拉伸性能	Tensile Force (N/50mm) 拉力	≥250
		Elongation at Maximum Tensile Force (%) 最大拉力时伸长率 (%)	≥50
		Phenomenon during Tensile 拉伸时现象	No separation between the adhesive layer and the polymer matrix 胶层与高分子胎基无分离
2	Tear Force (N) 撕裂力 (N)		≥45
3	Heat Resistance (70°C, 2h) 耐热性 (70°C，2h)		No flowing, no dripping, slip ≤ 2mm 无流淌、无滴落，滑移≤2mm
4	Low-Temperature Flexibility (-20°C) 低温柔性 (-20°C)		No cracks 无裂纹
5	Water Impermeability (0.3MPa, 120min) 不透水性 (0.3MPa，120min)		Waterproofing 不透水
6	Peel Strength at Lap Joints of Membranes (N/mm) 卷材与卷材搭接边剥离强度 (N/mm)	No treatment 无处理	≥1.0
		Water immersion treatment 浸水处理	≥0.8
		Heat treatment 热处理	≥0.8
7	Oil Permeability (number of sheets) 渗油性 (张数)		≤2
8	Adhesion Retention (min) 持粘性 (min)		≥30
9	Peel Strength with Cement Mortar (N/mm) 与水泥砂浆剥离强度 (N/mm)	No treatment 无处理	≥1.5
		Heat treatment 热处理	≥1.0
10	Peel Strength with Cement Mortar after Water Immersion (N/mm) 与水泥砂浆浸水后剥离强度 (N/mm)		≥1.5
11	Thermal Aging (80°C, 168h) 热老化 (80°C，168h)	Tensile Retention Rate (%) 拉力保持率(%)	≥90
		Elongation Retention Rate (%) 伸长率保持率(%)	≥80
		Low-Temperature Flexibility (-18°C) 低温柔性 (-18°C)	No cracks 无裂纹
12	Thermal Stability 热稳定性		No wrinkling, no flowing, the maximum curl of the polymer matrix edge does not exceed 1/4 of the side length 无起皱、无流淌，高分子胎基边缘卷曲最大不超过边长1/4
13	Water Channeling Resistance (0.6MPa/35mm) 抗窜水性 (0.6MPa/35mm)		No water seepage for 4h 4h 不渗水
14	Artificial Climate Accelerated Aging[a] 人工气候加速老化[a] ([a] The membrane used for non-exposed purposes does not re-quirethe determination of artificial climate accelerated aging) ([a]非外露使用的卷材不要求测定人工气候加速老化)	Appearance 外观	No blistering, no cracking, no delamination, no Adhesive, no holes 无起泡、无裂纹、无分层、无粘结、无孔洞
		Tensile Retention Rate (%) 拉力保持率 (%)	≥80
		Elongation Retention Rate 伸长率保持率	≥80
		Low-Temperature Flexibility (-15°C) 低温柔性 (-15°C)	No cracks 无裂纹

06 Application Method
施工方法

When single-layer laying of skin-core structure hot-pressed cross-linked polymer matrix wet-laid waterproofing membrane, the wet-laying method is mainly adopted:

皮芯结构热压交联高分子胎基湿铺防水卷材单道铺设时，主要采用湿铺法施工：

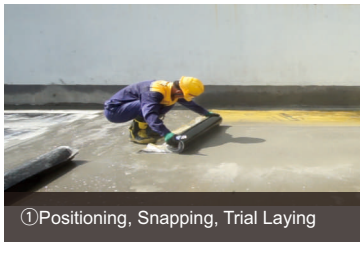
substrate Treatment → Sealing Treatment of Detail Nodes → Preparation of Cement Paste → Laying Membrane → Removing Paste and Exhausting → Waterproofing Layer Curing

基层处理 → 细部节点密封处理 → 配制水泥素浆 → 铺设卷材 → 赶浆排气 → 防水层养护

For multi-layer laying, the first layer should be constructed by wet-laying method, and the subsequent membrane waterproofing layer can be constructed by self-adhesive method or wet-laying method.

多遍铺设时，第一遍宜采用湿铺法施工，后道卷材防水层可采用自粘法或湿铺法施工。

Process Diagrams 以下为部分工艺图示：

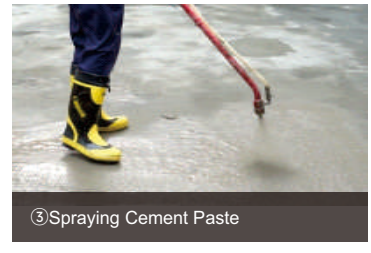


①Positioning, Snapping, Trial Laying

①定位、弹线、试铺

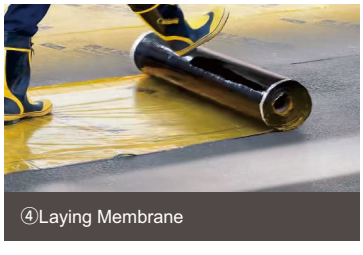
②Preparation of Cement Paste

②水泥素浆配制



③Spraying Cement Paste

③喷涂水泥素浆

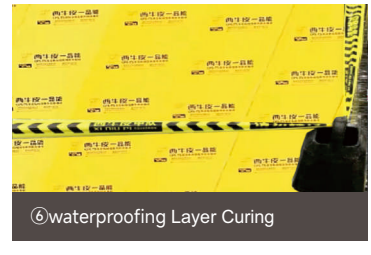


④Laying Membrane

④铺贴卷材

⑤Removing Paste and Exhausting

⑤赶浆排气



⑥waterproofing Layer Curing

⑥防水层养护

Matters Needing Attention 注意事项

1. Cement: Water = 2:1 (weight ratio). First add water, then add cement, fully soak for about 10-15 minutes, and stir into a putty-like shape. (PO42.5 ordinary Portland cement is recommended for cement.)
2. The thickness of sprayed cement paste should be controlled at 1.5mm-2.5mm. When spraying, attention should be paid that the spraying width of cement paste should be 100mm wider than that of the membrane.
3. The lap width of the long side and short side of the membrane is not less than 80mm, and the short side lap joints of two adjacent membranes in the same layer are staggered by not less than 500mm.
4. Use tools such as a soft rubber plate or a hard brush to scrape and press from the middle to the other side of the membrane lap direction and exhaust air, so that the membrane is fully bonded to the base surface.

1. 水泥：水 = 2：1 (重量比)，先放水，再放水泥，充分浸泡约 10 ~ 15 分钟，搅拌成腻子状。(水泥宜选用 PO42.5 普通硅酸盐水泥)
2. 喷涂水泥素浆厚度宜控制在1.5mm~2.5mm，喷涂时应注意水泥素浆喷涂宽度宜比卷材宽出100mm。
3. 卷材长边、短边搭接宽度不少于 80mm，同一层相邻两幅卷材短边搭接缝错开不小于 500mm。
4. 用软橡胶板或硬质毛刷等工具从中间向卷材搭接方向另一侧刮压并排出空气，使卷材充分满粘于基面上。

07 Transportation and Storage
运输与存储

1. During transportation and storage of Yipinneng reactive adhesive wet-laid waterproofing membrane, different types and specifications should be stacked separately and not mixed; avoid impact, extrusion, sun and rain. The storage temperature should be (5-35)℃, not higher than 45℃; when stored flat, the stacking height should not exceed 5 layers, and when stored upright, it should be stacked in a single layer.
2. During product transportation, prevent tilting or side pressure, and cover with tarpaulin if necessary.
3. Under normal transportation and storage conditions, the shelf life of Yipinneng Reactive Adhesive Wet-laid waterproofing Membrane is 12 months from the date of production.

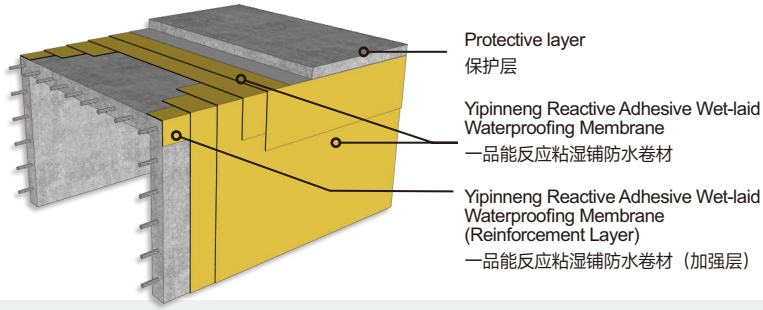
1. 一品能反应粘湿铺防水卷材运输与贮存时，不同类型、不同规格应分别堆放，不应混杂；避免撞击、挤压、日晒雨淋，贮存温度宜为（5~35）°C，不高于45°C；平放贮存时，码放高度不超过5层，立放贮存时单层堆放。
2. 产品运输时，防止倾斜或侧压，必要时加盖苫布。
3. 在正常运输与贮存条件下，自生产之日起，一品能反应粘湿铺防水卷材保质期为12个月。

08 Recommended Plan
工程常见部位防水应用方案

Waterproofing for basement side walls / top slabs 地下室侧墙／顶板防水

Applicable to waterproofing and moisture-proofing for basement side walls, top slabs, and roof surfaces of concrete buildings, as well as subways, utility tunnels, tunnels, and most other structures.

适用于混凝土建筑地下工程外防外贴侧墙与顶板、非外露屋面等绝大多数工程的防水防潮。



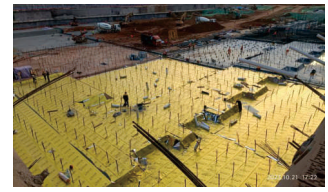
Advantages of the solution: 方案优势:

①Forms a Sealing Layer: It doesn't leak when torn apart, nor does it let water seep through when punctured.

The product reacts and bonds with concrete to form a dense interfacial sealing layer. It bonds securely, ensuring waterproof safety and reliability—joints remain leakproof and damage won't cause water channeling even under 60-meter water pressure.

形成密封层，撕烂了不漏水、戳穿了不窜水

该产品能跟混凝土反应粘结，形成致密的界面密封层。粘结牢固，60米水压作用，接边不漏水，破损不窜水，防水安全可靠。



②All-Weather, All-Environment Application: Guaranteed Timelines, Safety & Eco-Friendliness

The base slab uses the loose-laying method; sidewalls, roof slabs, and rooftops use the wet-laying method. Mechanized spraying of cement slurry boosts efficiency, shortens construction time, and eliminates open flames or toxic gas emissions—ensuring safety and environmental protection.

全天候全环境施工，工期有保障、安全环保

底板采用空铺法施工，侧墙、顶板、屋面湿铺法施工。用水泥素浆机械化喷涂，效率高，缩短工期，且不动用明火，无有毒气体释放，安全又环保。

③One Category Solves Waterproofing Challenges for All Concrete Building Parts: Full-Part Compatibility & Sealing

Yipinneng waterproofing membrane applies to all building areas. Unlike traditional solutions that use different materials for different parts (leading to incompatible materials, inconsistent processes, poor bonding, and leak-prone water channels at joints), this system ensures integrated sealing.

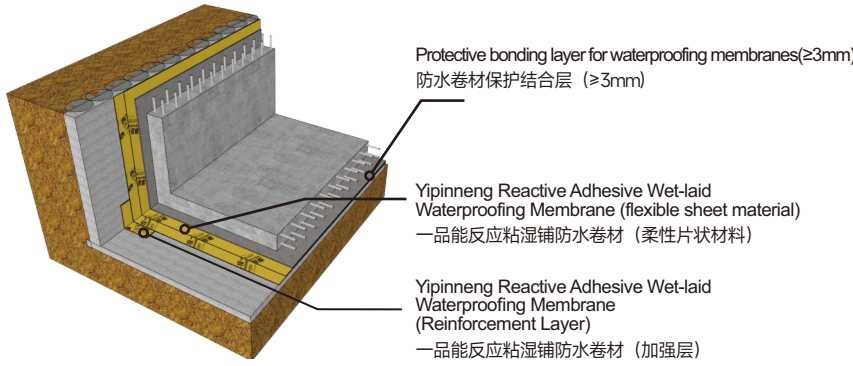
一个品类解决混凝土建筑全部位防水难题，全部位相容密封

一品能防水卷材能应用于建筑各部位防水。相对传统方案，不同部位采用不同防水材料，极易出现防水层材性不相容、工艺不相通，导致不能融合粘结，连接处形成窜水带的渗漏风险。

Waterproofing for basement floor slabs 地下室底板防水

Applicable to waterproofing for projects such as basement floor slabs, side walls with external waterproofing applied internally, tunnels constructed by mining method, etc

适用于地下室底板、外防内贴侧墙、暗挖法隧道等工程防水。



Advantages of the solution: 方案优势:

①Smart Conformity & Shape-Adaptive Sealing: Ensures Effective Waterproofing

It has strong on-site adaptability. It is easy to apply on irregular parts such as internal and external corners, pits and grooves, and no hollowing will occur.

智能伏贴、随型密封，确保防水有效

该产品能跟混凝土反应粘结，形成致密的界面密封层。粘结牢固，60米水压作用，接边不漏水，破损不窜水，防水安全可靠。

②Combined Protective Layer: Robust Defense, Combining Strength with Flexibility for Durable Safety

High strength and impact resistance effectively withstands damage from stepping, compression, and punctures. Resists contamination and blocks UV rays.

铺设界面结合层：硬核防护、刚柔并济，保防水耐久安全

强度高、抗冲击性强，能及时有效抵御踩踏、挤压、穿刺等破坏，且抗污染、阻隔紫外线。

③Seamlessly Integrates with Yipinneng Wet-Laid Membrane on Sidewalls

Identical adhesive material ensures optimal compatibility and process consistency. Prevents chemical/physical damage, forming a comprehensive, fully sealed waterproofing layer to eliminate leaks system-wide.

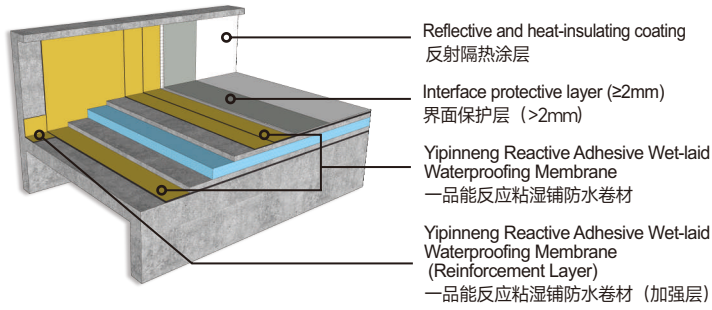
③能与侧墙一品能湿铺防水卷材融为一体

两者胶料同一材质本体最为相容，且工艺相通，相互间不会产生化学或物理性破坏，能对建筑形成全方位、全密封的防水层，系统杜绝窜漏水发生。

Exposed roof waterproofing 外露屋面防水

Applicable to exposed waterproofing for non-trafficable roofs such as large workshops and residential roofs.

适用于新建、扩建和改建、修缮的工业与民用建筑不上人屋面或不上人工程部位的外露防水层施工。



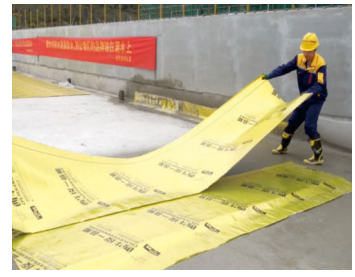
Advantages of the solution: 方案优势:

①Dual-Layer Protection: Effective Waterproofing, Insulation & Drainage

Layer 1: Installed on the roof structural slab (substrate), forming a sealed layer to prevent leaks and ensure structural safety.

双防双保险，防水、保温、排水都有效

两道防水，第一道铺设在屋面结构板，形成密封层，有效杜绝渗漏水，保障结构安全；第二道铺设在保温层与找坡层之上，确保保温层不进水，找坡层不泡水，排水有效，系统化更安全。



②Superior & Longer-Lasting Protection

A fiberglass mesh is laid over the membrane, topped with polymer-modified cement mortar as an exposed protective layer. This blocks UV aging and resists damage from stepping, compression, and punctures—extending service life by 5–10 years vs. traditional exposed organic waterproofing materials.

防护力更好，更长效耐久

卷材上部表面先铺设玻璃纤维网格布，再做聚合物水泥砂浆作为外露保护界面层，可有效阻隔紫外线老化，抵御踩踏、挤压、穿刺等破坏，比传统外露的有机防水材料寿命要耐用5至10年。

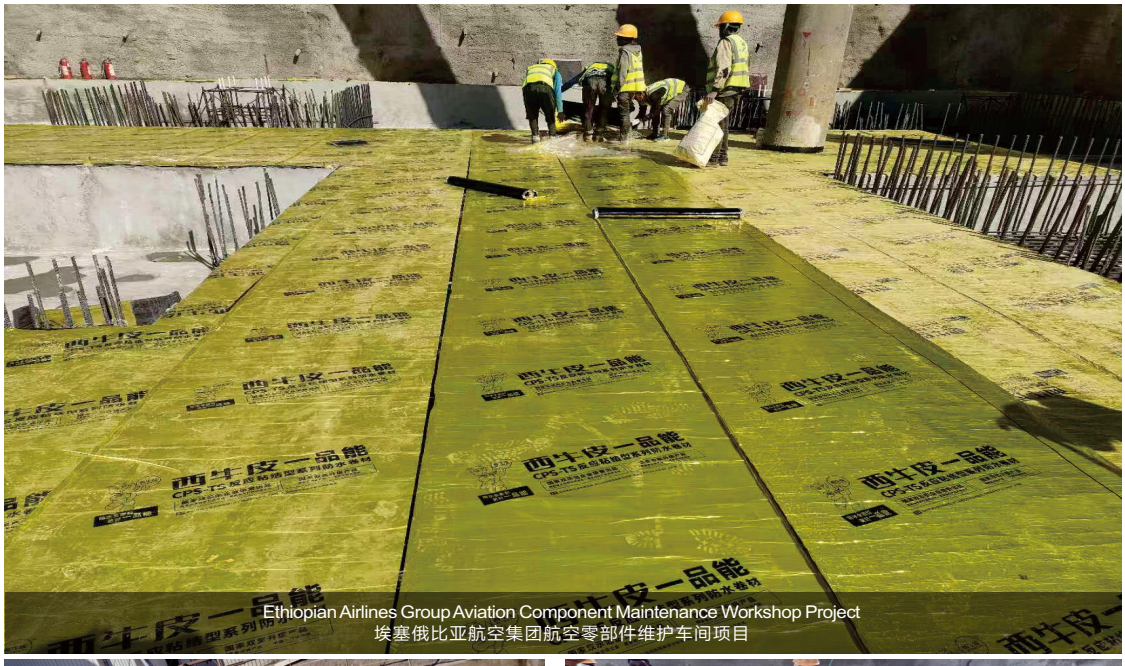
③Energy Saving, Safety & Eco-Friendliness

Coated with reflective thermal insulation paint (safe, environmentally friendly, and free of irritating odors), it resists UV/aging and withstands harsh weather, prolonging roof life. Reflects sunlight to significantly cool building rooftops, reducing energy consumption.

节能降耗，安全环保

外涂反射隔热涂料，安全环保，无刺鼻异味。不仅具有抗紫外线及耐老化性能，能面对各种严峻天气的考验，延长屋面使用寿命。且可反射太阳光，使建筑屋面大幅度降温，有助于减少资源消耗。

09 Application Cases
工程案例



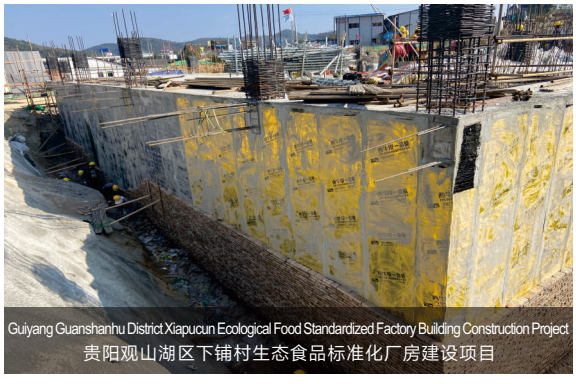
Ethiopian Airlines Group Aviation Component Maintenance Workshop Project
埃塞俄比亚航空集团航空零部件维护车间项目

Ethiopian Airlines Data Center Project
埃塞俄比亚航空数据中心项目

Multimedia Conference System Project for the Ministry of Agriculture, Ethiopia
埃塞俄比亚农业部中心多媒体会议项目

Oromia Regional High Court Project, Ethiopia
埃塞俄比亚奥罗米亚州高级法院项目

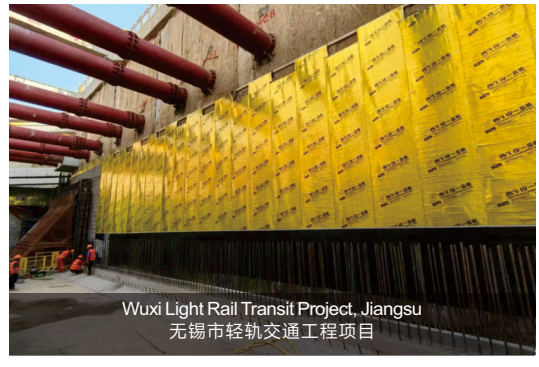
Ethiopian Airlines Material Warehouse Project
埃塞俄比亚航空物资仓库项目



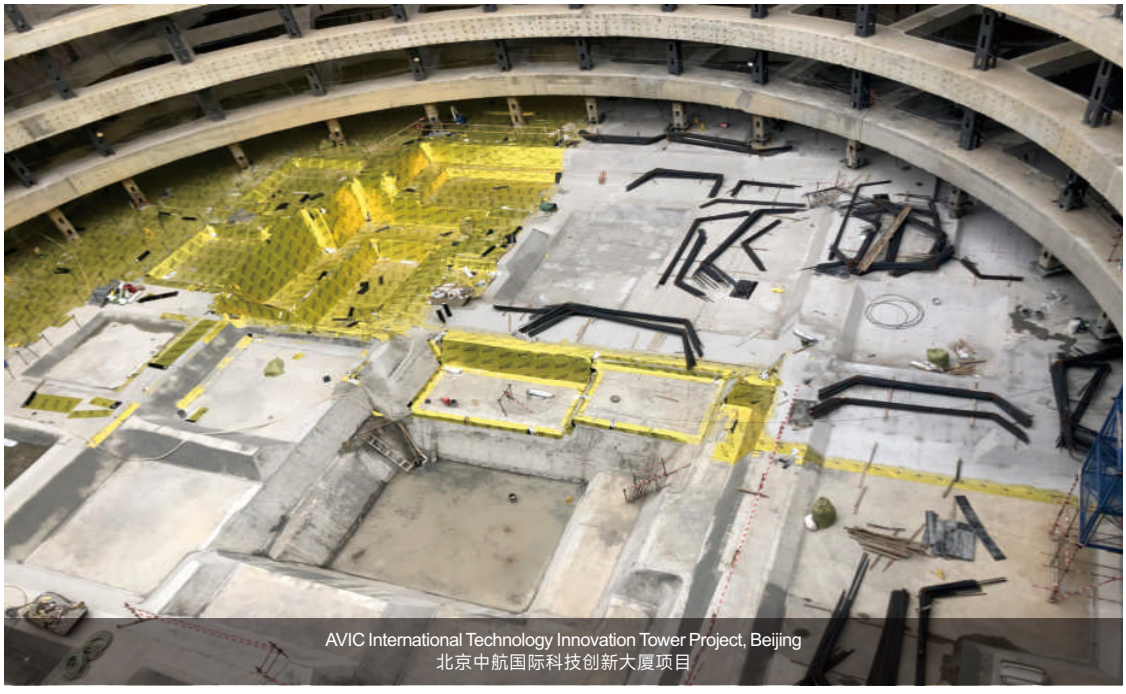
Guiyang Guanshanhu District Xiapucun Ecological Food Standardized Factory Building Construction Project
贵阳观山湖区下铺村生态食品标准化厂房建设项目

Shenzhen Yingshui Bay Residential Community Project
深圳滢水湾小区项目

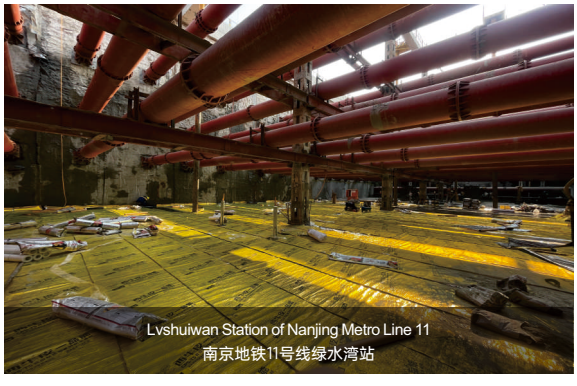
Nanning Shangshuiwan Project
南宁上水湾项目



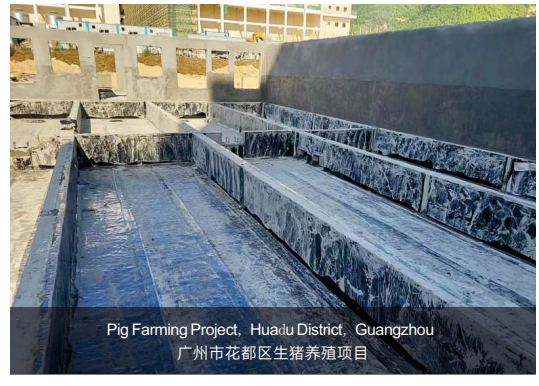
Wuxi Light Rail Transit Project, Jiangsu
无锡市轻轨交通工程项目



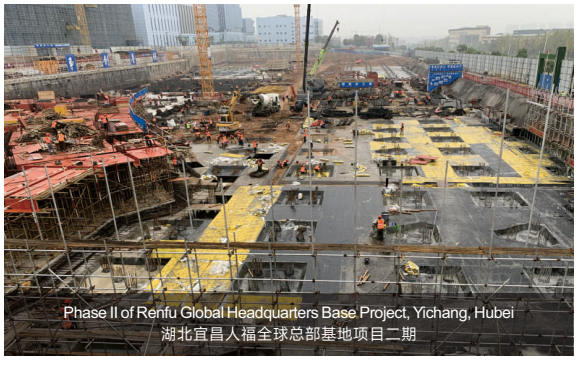
AVIC International Technology Innovation Tower Project, Beijing
北京中航国际科技创新大厦项目



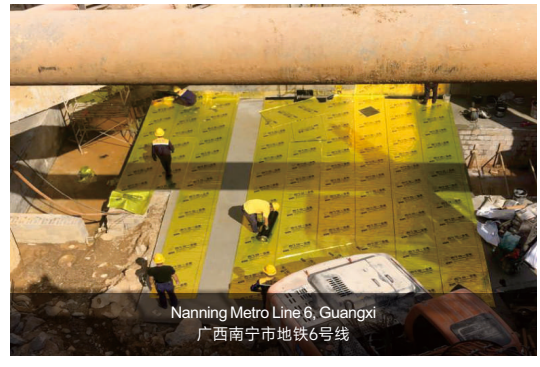
Lvshuiwan Station of Nanjing Metro Line 11
南京地铁11号线绿水湾站



Pig Farming Project，Huadu District，Guangzhou
广州市花都区生猪养殖项目



Phase II of Renfu Global Headquarters Base Project, Yichang, Hubei
湖北宜昌人福全球总部基地项目二期



Nanning Metro Line 6, Guangxi
广西南宁市地铁6号线

国家双示范企业科技成果

SCI-TECH ACHIEVEMENTS OF NATIONAL DOUBLE DEMONSTRATION ENTERPRISE

⊙ NATIONAL DEMONSTRATION ENTERPRISE FOR TECHNOLOGICAL INNOVATON
国家技术创新示范企业

GONG XIN BU KE. [2019] NO. 204 工信部科〔2019〕204号
GONG XIN BU GONG XIN TING KE HAN. [2022] NO. 304 工信部 工信厅科函〔2022〕304号

⊙ NATIONAL INTELLECTUAL PROPERTY DEMONSTRATION ENTERPRISE
国家知识产权示范企业

GUO ZHI FA GUAN HAN ZI. [2018] NO. 158 国知发管函字〔2018〕158号
GUO ZHI FA YUN HAN ZI. [2022] NO. 160 国知发运函字〔2022〕160号

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