

· FMJ 系列防水涂料

BNBM YUWANG · FMJ Non-curable range of Waterproof Coating

一丝不苟 滴水不漏


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产品质量由中国太平洋财产保险承保



1 非固化橡胶沥青防水涂料发展历程

Development of non-curable rubber modified asphalt coating for waterproofing

上世纪80年代

美国Hydrotech公司推出了柔性、耐久不固化，需要热熔施工的MM6125热熔非固化橡胶沥青防水涂料在多个国家进行推广使用

Hydrotech company in USA promoted the MM6125 Hot melting non-curable rubber modified asphalt coating for waterproofing which is soft, durable and non-curable and need hot melting in construction. This product was popularized and been applied in many countries.

1997

韩国国立科技大学等机构成功研发出热熔非固化橡胶沥青防水涂料

Hot melting non-curable rubber modified asphalt coating for waterproofing was successfully developed by Korean institutions such as Korea National University of Science and Technology.

2000

北新禹王成功研发出自主知识产权的非固化橡胶沥青防水涂料命名为“非固特”填补国内防水领域的空白

BNBM YUWANG successfully researched and developed non-curable rubber modified asphalt coating for waterproofing with proprietary intellectual property rights and named it "FeiGuTe", filled the blank of waterproofing field in China

2008

北新禹王非固化成功用于国家体育场（鸟巢）变形缝修复工程，在国内引起了巨大轰动引发了国内针对该材料的开发热潮

The non-curable waterproof coating joint restoration of Beijing National Stadium(Bird's Nest), which caused a sensation in China and triggered the wave of researching and developing of this new material.

2018

中国新一代
常温型非固化

防水涂料由北新禹王研制成功，引领非固化冷施工的新趋势

China's new generation of non-curable waterproof coating cold-applied non-curable rubber coating for waterproofing is researched and developed by BNBM YUWANG, which lead the new trend of non-curable waterproof coating cold applied.

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2 传统非固化防水涂料弊端

Disadvantages of traditional non-curable waterproof coating



How to overcome these difficulties?

北新禹王经过多年的探究，在原有常规非固化橡胶沥青防水涂料的基础上，潜心专研，攻克了施工的环保性、立面施工及需加热后方可施工等一系列历史性难题，使得非固化防水涂料更广泛的应用于地下、屋面、管廊等各类防水工程。

After years of exploration, in the basis of conventional non-curable rubber bitumen waterproof coating, by overcoming environmental protection safety, facade construction and heating before construction and other series of historical problems, BNBM YUWANG realized a more widely used of non-curable waterproof coatings can be more widely used in underground, roofing, pipe corridor and other types of waterproofing projects.



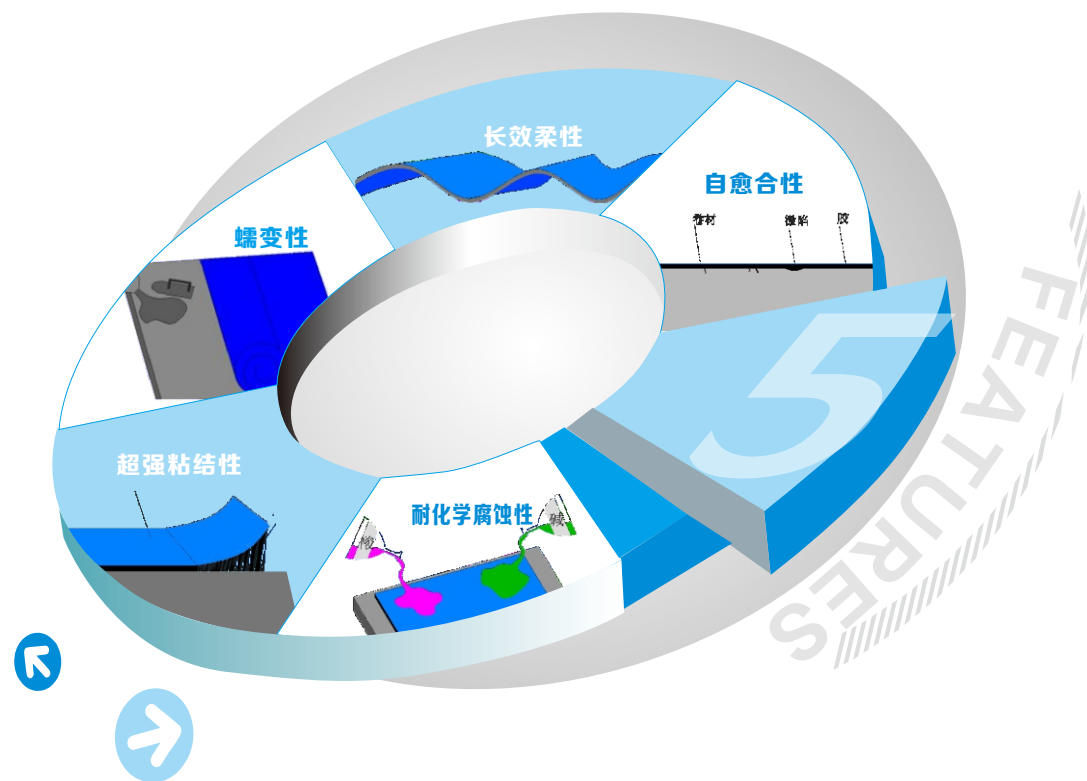
3 北新禹王非固化防水涂料系列产品及其优势

Products of non-curable coatings produced by BNBM YUWANG and their advantages

FMJ-20 常温型	FMJ-120 无烟型	FMJ-160 常规型	FMJ-180 高粘型
Cold-applied	No Smoke generated during application	Traditional hot melting applying	Ultra-strong cohering with no sliding

北新禹王非固化系列防水涂料五大特点

Five characteristics of BNBM YUWANG non-curable waterproof coatings



FMJ

1 长效柔性 Long-lasting flexibility

长久的保持粘稠状态，抵御建筑产生的振动或结构自身应力变化出现的位移等“动态”不良因素。
The product could keep the state of sticky paste for a long time, and could well resist the harmful dynamic factors as vibration of building and deformation of structure.

2 蠕变性 Creep property

减缓建筑结构振动对防水层产生的应力，使防水体系不受外界应力的影响，提高防水效果。
The product with its creep property could allay the stress of vibration that forced on waterproofing layer, thus protect the waterproofing system from being influenced by outside force.

3 自愈合性 Self-healing property

对于基层裂缝的随机出现及环境变化等，因非固化涂料具有较强蠕变性，所以涂料有完美的“自愈合”功能，防水效果持久。
Because of its creep characteristic, the product could repair the cracks of the substrate whose occur always be unpredictable and other issues brought by the changeable environment, be “self-healing” and guarantees durable waterproofing.

4 超强粘结性 Ultra-strong cohesive property

与基层可达到100%满粘，完全杜绝窜水的风险。
It could fully bond with the substrate which completely eradicate the risk of water breakthrough.

5 耐化学腐蚀性 Chemical resistance

材料可直接应用在具有腐蚀性的防水工程中，材料性能丝毫不受影响。
This product could be directly applied in waterproofing projects with caustic environment, which will make no difference of the material.

北新禹王非固化系列防水涂料三大施工优势

Three construction advantages of BNBM YUWANG non-curable waterproof coating products

低温施工

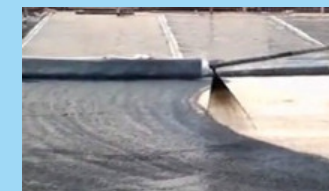
Construction at low temperature



环境温度达到 -20°C 仍可进行施工,满足冬季施工要求
Construction could be under process with temperature at -20°C , which meet the requirement of construction in winter.

施工便捷

Easy to construct



禹王非固化系列产品均可采用机械喷涂法施工，大幅提高施工效率，缩短工期
Mechanical spray is applicable for this product which will greatly improve the efficiency of construction and shorten the construction period.

安全环保

Environmental friendly



FMJ-20常温非固化橡胶防水涂料无需加热、开袋即可施工、不燃不爆、安全环保
FMJ-20 non-curable coating could be cold applied without being heated. It can be used as long as it is open, it is safety and eco-friendly, and will not burn or explode.

12 application areas 12种应用范围



建筑屋面
Roof of building



地下
Underground Project



高铁
High-speed Rail



道路
Road



隧道
Tunnel



绿色建筑
Green Construction



地铁
Subway



水利
Water Conservancy Project



管廊
Gallery



桥梁
Bridge



环保
Environmental Protection



海绵城市
Sponge City

上海金融环球中心

Shanghai Financial Global Center

工程案例

Project examples



FMJ-20 常温非固化橡胶防水涂料

FMJ-20 Cold-applied non-curable rubber modified asphalt coating for waterproofing

产品特点

Characteristics of products

打破传统非固化防水涂料需加热后方可施工的限制，FMJ-20无需加热，常温即可施工，且具有优异的阻燃性，同时降低施工成本，提高施工速度，保证施工的安全性、环保性、工期短。

Breaking through the limitation of traditional non-curable waterproof coating that need to be heated for application, this product could be cold-applied without being heated and it has excellent fire resistance, which will reduce the construction cost and ensures the safety and environmental protection of construction. At the same time, it could greatly improve the efficiency of construction and shorten the construction periods.

执行标准：Q/PYW 0045-2018

Standard complied: Q/PYW 0045-2018

物性指标一览表/

Technical Data

序号 No.	项目 Item		指 标 Data
1	闪点/℃ Flash point	≥	180
2	固含量/% Solid content	≥	75
3	粘结性能 Bond performance	干燥基面 Dry substrate	100%内聚破坏 cohesive failure
		潮湿基面 Wet substrate	
4	延伸性/mm Elongation	≥	15
5	低温柔性 Low temperature flexibility		-20℃，无断裂 No break
6	耐热性/℃ Thermostability		70
			无滑动、流淌、滴落 No sliding、flowing、dripping
7	抗窜水性/0.6MPa Hydraulic gradient		无窜水 No running water

[消耗量] 1.0mm厚涂膜，涂料总用量约1.5~1.7kg/m²。

Product consumption: Coating with thickness of 1.0 mm, coverage of the coating is about 1.5~1.7/ .

[包 装] 产品采用塑料袋密闭包装，20kg/袋。

Packaging: The product is packed with sealed plastic bag, 20kg/ bag.

工程案例

Project examples

北京五棵松商场

Beijing Wukesong Shopping Mall

FMJ-120 无烟非固化橡胶沥青防水涂料

FMJ-120 Smokeless non-curable rubber modified asphalt Coating for Waterproofing

产品特点

Characteristics of products

新一代环保、耐低温、耐热性（可达到90℃）优异的防水材料，其加热至120℃以上即可施工，具有优异的施工性，且加热后无烟、无刺激性气味。

This product is a new generation of waterproofing material with excellent properties of environmental protection and low temperature resistance. Being heated to 120 ℃ to construct, this product has excellent construction property with no smoke or irritating odor occuring.

执行标准：JC/T2428-2017

Standard complied: JC/T2428-2017

物性指标一览表/

Technical Data

序号 No.	项目 Item		指 标 Data
1	闪点/℃ Flash point	≥	180
2	固含量/% Solid content	≥	98
3	粘结性能 Bond performance	干燥基面 Dry substrate	100%内聚破坏 Cohesive failure
		潮湿基面 Wet substrate	
4	延伸性/mm Elongation	≥	15
5	低温柔性 Low temperature flexibility	no break	-20℃，无断裂 No break
6	耐热性/℃ Thermostability		65
			无滑动、流淌、滴落 No sliding、flowing、dripping
7	抗窜水性/0.6MPa Hydraulic gradient		无窜水 No running water

[消耗量] 1.0mm厚涂膜，涂料总用量约1.3~1.5kg/m²。

Product consumption: Coating with thickness of 1.0 mm, coverage of the coating is about 1.3~1.5/ .

[包 装] 产品采用铁桶包装，20kg/桶。

Packaging: The product is packed with sealed metal bucket, 20kg/barrel.

国家体育馆

Project examples

National Stadium

工程案例

FMJ-160非固化橡胶沥青防水涂料

FMJ-160 Hot melting non-curable rubber modified asphalt coating for waterproofing



产品特点

Characteristics of products

以沥青为基料，合成橡胶和树脂为改性材料混合配置而成的非固化防水涂料，常温下呈粘稠状胶体，经加温后粘稠度下降，呈现可流动的液体状态。

This non-curable waterproof coating uses asphalt as the basic material, mixes with modified material of synthetic rubber and resin. At normal temperature, it presents the state of viscous colloid and the viscosity of the product will decrease after being heated and presents the state of flowing liquid .

执行标准:JC/T2428-2017

Standard complied: JC/T2428-2017

物性指标一览表/ Technical Data

序号 No.	项目 Item		指 标 Data
1	闪点/℃ Flash point	≥	180
2	固含量/% Solid content	≥	98
3	粘结性能 Bond performance	干燥基面 Dry substrate	100%内聚破坏 Cohesive failure
		潮湿基面 Wet substrate	
4	延伸性/mm Elongation	≥	15
5	低温柔性 Low temperature flexibility no break		-20℃，无断裂 No break
6	耐热性/℃ Thermostability		65
			无滑动、流淌、滴落 No sliding、flowing、dripping
7	抗窜水性/0.6MPa Hydraulic gradient		无窜水 No running water

[消耗量] 1.0mm厚涂膜，涂料总用量约1.3~1.5kg/㎡。
Product consumption:Coating with thickness of 1.0 mm, coverage of the coating is about 1.3~1.5/kg/㎡。

[包 装] 产品采用铁桶包装，20kg/桶。
Packaging:The product is packed with sealed metal bucket, 20kg/ barrel.

FMJ-180高粘橡胶沥青防水涂料

FMJ-180 High-Viscosity rubber modified asphalt Coating for waterproofing



产品特点

Characteristics of products

该种涂料主要适用于立面、复杂的基面施工，具有超强粘结性，完全达到满粘，立面施工不滑落，解决传统非固化涂料不能立面施工的难题，且一次施工即可达到设计厚度，然后直接进行卷材粘贴，不脱落。

This coating material with its ultra-strong cohesive property, is mainly used for vertical or complicated substrates. It could fully adhere to the substrate and not slide on vertical substrates, which solved the problem of traditional non-curable coating being hard to apply on vertical surfaces. One-time construction of the coating could meet the required thickness and then membrane products be used on it and will not slide off.

执行标准:Q/PYW 0082-2016

Standard complied:Q/PYW 0082-2016

物性指标一览表/ Technical Data

序号 No.	项目 Item		指 标 Data
1	闪点/℃ Flash point	≥	220
2	固含量/% Solid content	≥	99
3	低温柔性 Low temperature flexibility		-20℃，无断裂 No break
4	耐热性/℃ Thermostability		70
			无滑动、流淌、滴落 No sliding、flowing、dripping
5	自愈性 Self-healing property		无渗水 No seepage
6	与卷材剥离强度/（ N/mm ） Peeling strength	≥	1.0或粘结密封胶层间剥开 1.0 or the bond sealant layer being stripped

[消耗量] 1.0mm厚涂膜，涂料总用量约1.5~1.7kg/㎡。
Product consumption:Coating with thickness of 1.0 mm, coverage of the coating is about 1.5~1.7/ 。

[包 装] 产品采用铁桶包装，20kg/桶。
Packaging:The product is packed with sealed metal bucket, 20kg/ barrel.