

## 耐候型 DPU-E 聚氨酯防水系统

### DPU-E weather resistant polyurethane(PU) waterproof system

#### 产品概述

耐候型 DPU-E 聚氨酯防水系统主要材料为聚氨酯防水涂料，系统由底涂型、中涂型、面涂型聚氨酯防水涂料三部分组成。聚氨酯防水涂料是以聚醚和异氰酸酯类预聚物为主要组分，配以多种助剂制成的弹性材料，可用于容易产生裂缝的混凝土建筑，特别适用于外露屋面的防护。

#### Description

The main material of DPU-E weather resistant polyurethane(PU) waterproof system is polyurethane waterproof coat, including three types of material, base coat, floating coat, surface coat. Polyurethane waterproof coat is an elastic material consisting of polyether and isocyanate prepolymer with various additives. It is used in the concrete buildings caused by cracks, especially in exposed roofing.

#### 产品类型

1. 底涂型聚氨酯防水涂料按照基面的不同分为通用型（适用于混凝土、彩钢板，产品代号 DPU-E 101）和沥青卷材专用（产品代号 DPU-E 102）；
2. 中涂型聚氨酯防水涂料为通用型（产品代号 DPU-E 201），颜色为白色；
3. 面涂型聚氨酯防水涂料为通用外露 10 年型（产品代号 DPU-E 310）。

#### Types

1. Type base coat has two types as different bases, Type General (applied in concrete, color plate, product name DPU-E 101) and Type Dedicated of Bituminous Sheet (product name DPU-E 102);
2. Type floating coat is Type General (product name DPU-E 201), the color is white;
3. Type surface coat is Type General Exposed 10 Years (product name DPU-E 310).

#### 产品特性

1. 物理性能优良，在抗风揭、抗刮擦、抗剥离等方面的表现优异；
2. 耐候性能优异，色彩稳定、不易粉化、不变黄。使用年限长达 10 年以上；
3. 耐水、酸、碱、盐、油等介质，适合于化工厂、沿海城市的屋面防水防护；
4. 低温柔性好，在零下 40℃时仍不会出现涂膜脆裂、剥落等现象，适用于严寒区域使用。

#### Features

1. Excellent physical properties, like good wind resistance, crack resistance, antistripping;
2. High weather resistance, color stability, non-powder, non-yellowing. Durable year is over 10 year;
3. Resistance to water, sour, alkali, salt, oil and etc., and suitable for waterproofing in chemical factories and coastal cities;
4. High flexibility in the low temperature, no embrittlement or peeling at 40 degrees below zero celcius. It is suitable for extreme low situation.

#### 应用领域

用于外露需求的新建、翻修工程，特别推荐用于混凝土建筑屋面、工业厂房等屋面。

#### Uses

It is used on exposed roofs of new constructions and rebuild projects.



**DPU-E 耐候型外露聚氨酯防水涂料 (底涂 101/102)****DPU-E weather resistant&exposed polyurethane(PU) waterproof coating (base coat101/102)**

## 性能指标

## Technical Sheet

序号 No.	项目 Item	技术指标 Specification
1	固体含量% $\geq$ Solid content	40
2	表干时间 h $\leq$ Surface dry	4
3	实干时间 h $\leq$ Dry	24
4	拉伸强度 MPa $\geq$ Tensile strength	0.5

执行标准/Standard: Q/LJH0036-2018

## 施工用量

参考用量: 0.2kg/m<sup>2</sup>

## Consumption

Consumption: 0.2kg/m<sup>2</sup>

## 包装与贮存

贮存在阴凉通风的仓库内, 严禁露天存放, 严禁上部存放物品, 温度不宜高于 40℃, 贮存时间不宜超过 6 个月。

运输: 垂直放置, 严禁倒放; 防止日晒雨淋; 禁止接近火源; 防止碰撞, 保持包装完好; 轻装卸, 不得抛扔。

## Package &amp; Storage

Store at cool and ventilate.

Open storage and upper storage are strictly prohibited.

Storage temperature should be below 40℃, shelf life is 6 months from date of manufacture.

Delivery: vertical placement, can not upend; stay away from flame, insolation, rain; collision prevention; unload with care.

**DPU-E 耐候型外露聚氨酯防水涂料 (中涂 201)**
**DPU-E weather resistant&exposed polyurethane(PU) waterproof coating (floating coat 201)**
**性能指标**
**Technical Sheet**

序号 No.	项目 Item	技术指标 Specification	
		GB/T19250	Q/LJH0037
1	固体含量% $\geq$ Solid content	One-compound	85
2	拉伸强度 MPa $\geq$ Tensile strength	2.0	2.5
3	断裂延伸率% $\geq$ Elongation at break	500	600
4	撕裂强度 N/mm $\geq$ Tear strength	15	
5	低温折弯性 $^{\circ}\text{C}$ $\leq$ Cold bending	-35, No crack	-40, No crack
6	不透水性 Unpermeability	0.3 MPa, 120min,impermeable	0.4 MPa, 120min,impermeable
7	表干时间 h $\leq$ Surface dry	12	
8	实干时间 h $\leq$ Dry	24	
9	加热伸缩率% Heating expansion rate	-4.0~+1.0	
10	粘结强度 MPa $\geq$	1.0	
11	吸水率% $\leq$ Water absorption	5.0	

执行标准/Standard: Q/LJH0037-2018

**施工用量**

 参考用量: 1.2kg/m<sup>2</sup>
**Consumption**

 Consumption: 1.2kg/m<sup>2</sup>
**包装与贮存**

包装: 用清洁、干燥的铁桶密闭包装, 每桶 20kg。

 贮存: 贮存在阴凉通风的仓库内, 严禁露天存放, 严禁上部存放物品, 温度不宜高于 40 $^{\circ}\text{C}$ , 贮存期不宜超过 6 个月。

运输: 垂直倒放; 防止日晒雨淋; 禁止接近火源; 防止碰撞, 保持包装完好; 轻装卸, 不得



抛扔。

**Package & Storage**

Store at cool and ventilate.

Open storage and upper storage are strictly prohibited.

Storage temperature should be below 40°C, shelf life is 6 months from date of manufacture.

Delivery: vertical placement, can not upend; stay away from flame, insolation, rain; collision prevention; unload with care.

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**DPU-E 耐候型外露聚氨酯防水涂料 (面涂 310)**
**DPU-E weather resistant&exposed polyurethane(PU) waterproof coating (surface coat 310)**

性能指标

Technical Sheet

序号 No.	项目 Item	技术指标 Specification
1	固体含量% $\geq$ Solid content	60
2	拉伸强度 MPa $\geq$ Tensile strength	4.0
3	断裂延伸率% $\geq$ Elongation at break	200
4	撕裂强度 N/mm $\geq$ Tear strength	15
5	低温折弯性 $^{\circ}\text{C}$ $\leq$ Cold bending	-30, No crack
6	表干时间 h $\leq$ Surface dry	4
7	实干时间 h $\leq$ Dry	24
8	荧光紫外线老化 <sup>a</sup> Fluorescent UV aging	外观 Appearance
		拉伸强度保持率% Retention rate of tensile strength
		断裂伸长率保持率% $\geq$ Retention rate of elongation at break
		低温折弯性 $^{\circ}\text{C}$ $\leq$ Cold bending
Powder grade 0 on the surface, discolor $\leq$ one grade, no bubble, no crack 70~150 70 -25 $^{\circ}\text{C}$ , No crack		
a 仅面漆产品要求测定, 用过 2000h 测定的产品使用年限建议 10 年。 Pot life 10 years after the testing of 2000h, only according to the requirements of over lay.		

执行标准/Standard: JC/T 2253-2014

施工用量

推荐配比: A:B=1:1;

 参考用量: 1.1kg/m<sup>2</sup>
**Consumption**

A:B=1:1

 Consumption: 1.1kg/m<sup>2</sup>

**Liaoning Jiuding Hongtai (JDHT) Waterproof Technology Co., Ltd.**

Address: DaWa Port Economic Zone, Panjin, Liaoning, China

Website: www.jdht-waterproof.com

**包装与贮存**

包装：用清洁、干燥的铁桶密闭包装，每桶 10m<sup>2</sup>（4kg/5kg）、50m<sup>2</sup>（20kg/25kg）。

贮存：贮存在阴凉通风的仓库内，严禁露天存放，严禁上部存放物品，温度不宜高于 40℃，贮存期不宜超过 6 个月。

运输：垂直倒放；防止日晒雨淋；禁止接近火源；防止碰撞，保持包装完好；轻装卸，不得抛扔。

**Package & Storage**

Store in clean and dry steel drum, 10m<sup>2</sup>（4kg/5kg）、50m<sup>2</sup>（20kg/25kg） per drum.

Open storage and upper storage are strictly prohibited.

Storage temperature should be below 40℃, shelf life is 6 months from date of manufacture.

Delivery: vertical placement, can not upend; stay away from flame, insolation, rain; collision prevention; unload with care.

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