筑恒科技
ZHUHENG TECH

Technical Datasheet

DP-out Series

Waterproof and Vapor Permeable Membrane

ZHUHENG DUNPAI®



PRODUCT DESCRIPTION

ZHUHENGDUNPAI® *DP-out* series is a flexible and malleable waterproof vapor permeable film, multi-layer composite structure, plastering, aging resistant. One side of the product comes with a high-performance pressure sensitive adhesive layer for attaching window frames, and the other side needs to use the specialized sealant DP-HD220 for bonding to the wall. The product is applied outside of the building, which can resist storm and wind, exhaust the moisture in the building joints to the outside, and prevent steam condensation and mold on the wall.

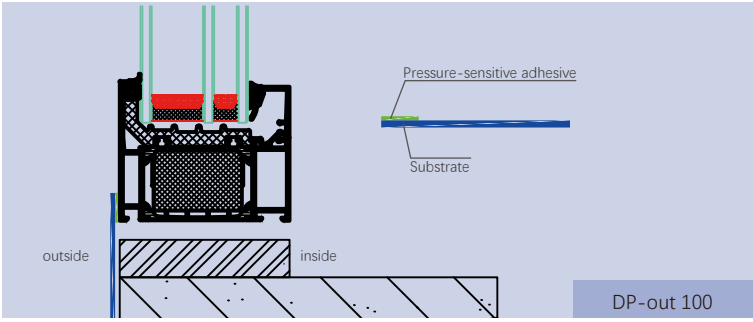
Used outside of the building,

used in combination with DP-in series to form a waterproof and water vapor management system to improve the energy saving, durability and comfort of the building.

PRODUCT APPLICATIONS

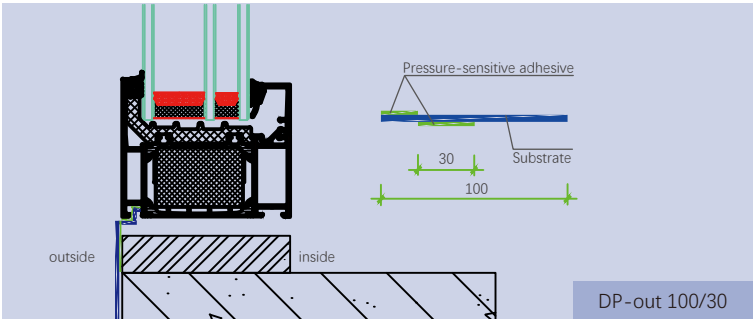
DP-out series is a key component to ensure the watertightness and airtightness of windows and prevent dew and mold on walls. It can be used for the airtightness treatment of outdoor doors, windows, panels, pipelines and the joints between steel components and walls, combined with the specialized sealant DP-HD220.

The 19mm wide super strong pressure sensitive adhesive layer is on one side of the membrane, pasted to the front or side of the window frame outside of buildings. Paste the membrane onto the attached frame and wall using the specialized sealant DP-HD220.



DP-out 100

The 19mm wide super strong pressure sensitive adhesive layer is on one side of the membrane, pasted to the side of the window frame outside of buildings. The 30mm wide adhesive layer is on the other side of the membrane, paste to the attached frame. Use the specialized sealant DP-HD220 to attach the membrane to the wall.



DP-out 100/30

PRODUCT ADVANTAGES

- Resistant to storm and wind, water vapor penetration, prevent wall joints from forming dew and mold.
- Excellent mechanical strength and ductility to compensate for displacement of structural parts.
- Excellent self-peeling strength, not easy to delaminate itself.
- High performance pressure sensitive adhesive, excellent initial viscosity and stickiness, low temperature resistance, aging resistance.
- The edge of the release film leakage, humanized design, easy to use.
- The surface is covered with special fleece, which is convenient for plastering, painting and scraping.
- Excellent anti-aging ability, exposure period of 8 months.
- German GEV issued EC1plus environmental certification.
- ISO 9001 and 45001 system certified.

TECHNICAL DATA

Ⅰ.Typical test data

No.	Physical Properties		Regulation	Value
1	Tensile strength, N/50mm	MD	GB/T 328.9-2007 A method	526
		CD		174
2	Break elongation,%	MD	GB/T 328.9-2007 A method	28
		CD		84

No.	Physical Properties		Regulation	Value
3	Tear strength,kN/m	MD	GB/T 529-2008(Trouser)	50
4	Watertightness(1000mm,water spout,20h)		GB/T 328.10-2007, A method	passed
5	Sd value ,m (Water vapour diffusion-equivalent air layer thickness)		GB/T 17146-2015	0.3
6	Air permeability,mm/s		GB/T 5453-1997	≤1.0
7	180° Peel strength (original strength),N/mm	with the aluminum alloy board	GB/T 2790-1995	1.0

II .Other Technical Description

1	Material	Polymer composite materials
2	Colour	White
3	Compatibility with others	Satisfied with common building materials such as conventional window materials, cement, mortar, putty, and water-based coatings, etc.
4	Temperature resistance	From approx - 40℃ to +90℃
5	Construction temperature	Above -5℃ when pasted
6	Storage temperature	From 0℃ to +30℃
7	Storage life	12 months with dry storage in unopened original packaging
8	Waste disposal	The debris can be treated as general household waste without special treatment.
9	Safety and health	Though according to the relevant industry regulations, it is not a dangerous substance, it is not recommended to directly stick it to any part of the body besides the fingers.

PREPARATION AND PROCESSING

Before the formal construction, it is recommended that the customer first carry out confirmatory experiments to ensure that the product is fully in line with the specific application environment. Take the installation of windows as an example, the general construction steps are as follows, for reference only.

• Before pasting, ensure that the bonded surface is dry, firm and clean. When pasting, first tear off the release film of the pressure-sensitive adhesive that comes with the membrane, glue one side to the window frame and press properly to make it bond more firmly. The membrane is pasted around the window for a week, and the four corners are treated by pulling Angle, and the final overlap is not less than 50mm. After pasting, use paper tape to temporarily fix the membrane to prevent the window from scratching on the wall. After installing the fixed window, apply the specialized sealant DP-HD220 on the surface of the wall. It is recommended to apply S-shaped glue first, and then scrape the glue with a putty shovel, so that the glue is fully spread, and paste the membrane to the wall with appropriate force. The thickness of the sealant is about 1mm to avoid too thin and empty drum. After coating, the sealant layer should overflow the edge of the membrane.

• If plastered, generally 24-72 hours after coating, at this time the sealant has been fully cured, its adhesion can withstand the weight of cement. The curing time of the sealant depends on the ambient temperature and humidity.

DIMENSIONS AND PACKAGING

The following is the standard specification, we can not only customize the width and length according to customer requirements, but also change the width and position of the adhesive layer. Please consult our company for details.

Product Name		Width	Unit/PCS	PCS/Package Unit
DP-out 80	DP-out 80/30	80mm	30m	6
DP-out 100	DP-out 100/30	100mm	30m	6
DP-out 120	DP-out 120/30	120mm	30m	4
DP-out 130	DP-out 130/30	130mm	30m	4
DP-out 150	DP-out 150/30	150mm	30m	4
DP-out 180		180mm	30m	2
DP-out 200		200mm	30m	2
DP-out 300		300mm	40m	2
DP-out 400		400mm	40m	1

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