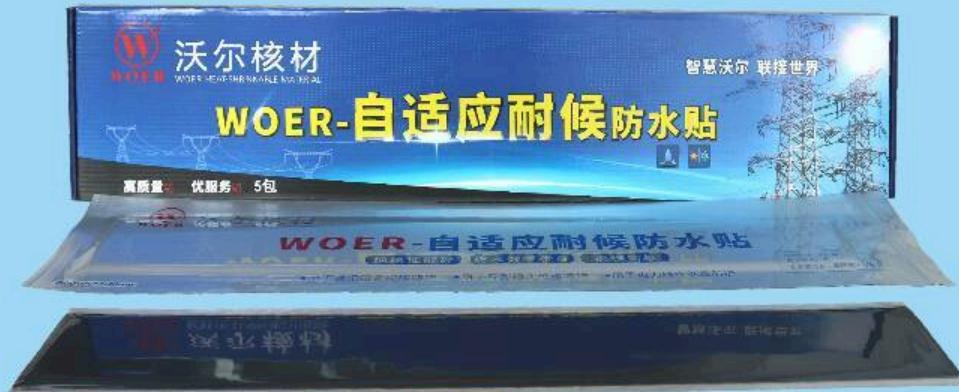


# WOER Self-adaptive Weathering Resistance & Water Proofing Tape



## Product Introduction

WOER self-adaptive weathering resistance & water proofing tape is an independently developed tape for waterproofing and insulation. It has excellent insulation and water proofing features, which facilitate widely application on cable, optical cable, overhead line and exposed metal conductor insulation and protection up to 35kV. It is used to enhance electrical products' insulation and avoid electrical incidents caused by aged electrical products, to eventually improve insulation in power distribution network. It can be also used to water-proofing protection for telecommunication equipments, such as the joints of outdoor base station, antenna, optical divider, coupler, tower defense, GPS, integrated cabinet.

Simply wrap the tape over the area to be protected, and the tape will be cured and forms a layer of excellent insulation and waterproofing after exposed to air. Simple operation makes it easy for quick repair jobs without special tools.

It is available to tailor or reshape the tapes as required on site.

## Product Features

- Cured when exposed to air;
- Easy to install without special tools especially high above the ground;
- Good UV resistance and reliable adhesion;
- Quick self-fusing upon stretching and excellent water proofing;
- Refine and even composition makes better insulation performance

## Product size

Product dimension: 600mm×90mm×1.8mm  
1000mm×90mm×1.8mm  
170mm×120mm×1.8mm

Remark: Customization is available for request.

## Technical Parameters

No.	Item( Before cured)	Typical value
1	Use in__ after unpack	30min
2	Fully cured	7d
3	Product packed in	tape
4	Color	red, yellow, green, black
5	Item ( After cured)	
6	Hardness Shores A	49
7	Tensile strength /MPa	1.75
8	Elongation at break %	370
9	Dielectric strength kV/mm	36.17
10	Volume resistivity $\Omega \cdot \text{cm}$	$1.41 \times 10^{15}$
11	Dielectric constant	3.08
12	Dielectric loss	0.0014
13	Flame retardant grade	V1
14	Water proof and voltage withstanding test(20kV,4 h)	pass
15	Storage Duration	1 year

## Application

- Waterproof and sealing for overhead lines; Enhance safe clearance for better insulation;
- Insulation and protection of exposed power cable conductors;
- Partial insulation repair for overhead line and cable termination;
- Switchgear inlet sealing, especially for outdoor application;
- Waterproofing of antennas, feeders, splitters, towers and other facilities in the construction of 4G and 5G base stations.
- Other power and water proofing related application, such as high speed railway and boats.



**Preparation before installation:**

- Under the temperature of -20°C~40°C;
- No installation under oil mist, sandstorm and strong wind;
- Keep the metal surface dry and clean;
- Preparation for all safety assurance and labor protection;
- Check if there is any damage on vacuum package, replace it with a new one if any.

**Surface Cleaning:**

- Clean the area to be applied with alcohol tissue, wipe off all the oil and dust, and wait for the alcohol to dry out;
- Use manual or electric tools to polish the burrs on metal surfaces and to smooth out the electric field;

**Installation Instruction 1**

Especially for overhead lines, cables and metal conductors.

**1**  
Step

Make sure the package is intact, and then unpack the product with a scissor in three sides, take out the tape;

Take off the release liner above on one side of the tape. Align the side without the release liner with the area which shall be prepared.

**2**  
Step**3**  
Step

Take off the release liner above the tape. Apply the tape on the area and wrap carefully around it. Exhaust the air while wrapping.

Press it tightly and apply it properly, check if there is gap in the joint area.

**4**  
Step

## Installation Instruction 2

Especially for irregular-shaped metal parts.

1  
Step

Make sure the package is intact, and then unpack the product with a scissor in three sides, take out the tape;

Take off the release liner from both sides of the tape and grasp one end of the tape uprightly and keep the tape away from any contamination.

2  
Step3  
Step

Apply the tape on the area and wrap carefully around it with overlap.

4  
Step

Exhaust the air while wrapping.

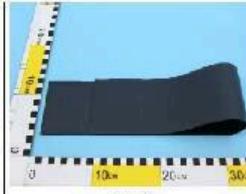
5  
Step

The end of the wrapping must be a smooth, flat or a circular surface without protrusions and it must be wrapped back to the body, press it for 2-3 seconds until tape completely has been bonded without gaps. If there are big metal parts encountered, multiple tapes can be applied.

**Attention:**

- This product contains chemical materials. Do not swallow;
- This product shall be stored in dry place under storage temp 0°C~30°C;
- Unpack the product with a scissor in three sides, take out the self-fusing tape, avoid folding;
- After unpacking the product from vacuum package, use it immediately;
- If the product is not smooth or there is overflow partially, it will not affect the use.

## TEST REPORT:

    															
<p><b>测试报告</b></p> <p>编号 : GZIN2003007502MR_CN 日期 : 2020-03-26 页码 : 1 of 6</p> <p>客户名称 : 沈阳市远东新材料有限公司 客户地址 : 沈阳市浑南新区长青小镇沃尔沃工业园</p> <p>样品名称 : 自足面耐候性防水膜 规格 : 1.6m*10m 材料 : 聚氯酯 说明 : 以上信息由客户提供或确认, SGS 不承担证实客户所提供信息的准确性, 负责性及知识产权的责任。</p> <p>SGS 登录号 : 371N0003002160P8 收样日期 : 2020-03-10 测试开始日期 : 2020-03-10 测试结束日期 : 2020-03-26 测试单据 : 请见下页</p> <p>盖章处: 深圳市远东技术服务有限公司, 广州分公司 检测中心 授权签名  章洁梅 章洁梅 授权签字人</p> <p>特别说明: 此报告结果仅对测试样品负责, 本报告未经本公司书面许可, 不可向外扩散。</p>															
 <p><b>测试报告</b></p> <p>编号 : GZIN2003007502MR_CN 日期 : 2020-03-26 页码 : 2 of 6</p> <p>结果总结:</p> <table border="1"> <thead> <tr> <th>序号</th> <th>测试项目</th> <th>测试方法</th> <th>结果</th> <th>备注</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>耐候冷弯曲试验 (弯曲 90°, 180°, 270°)</td> <td>GBT 2423.22-2012 试验 Na &amp; GBT 14081-2008 和 GB/T 4208-2017</td> <td>样品结果</td> <td>+</td> </tr> <tr> <td>2</td> <td>拉伸</td> <td>GBT 4208-2017</td> <td>无孔无漏水</td> <td>+</td> </tr> </tbody> </table> <p>备注: 合格: 达到要求 不合格: 未达到要求 无: 不适用</p> <p>原样图片:</p>   <p>样品 A 样品 B-#1, B-#2</p> <p>特别说明: 此报告结果仅对测试样品负责, 本报告未经本公司书面许可, 不可向外扩散。</p>	序号	测试项目	测试方法	结果	备注	1	耐候冷弯曲试验 (弯曲 90°, 180°, 270°)	GBT 2423.22-2012 试验 Na & GBT 14081-2008 和 GB/T 4208-2017	样品结果	+	2	拉伸	GBT 4208-2017	无孔无漏水	+
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