

Self-curing Waterproofing and Insulating Tape

M525W

Application

- Partial insulation treatment of overhead bare conductor.
- Insulation treatment of insulated overhead line bare spot.
- Waterproof sealing and insulation protection of overhead line clamp.
- Waterproof sealing and insulation protection of exposed metal parts of connection point between overhead line lead and switch or transformer.
- Overhead line supports insulator top for insulation to prevent short circuit caused by bird nesting.
- Insulation and sealing treatment of exposed metal parts such as busbar connection points in the switchgear.
- Cable entrance hole sealing treatment at the bottom of switchgear.



Feature

- Excellent waterproof and insulation performance
- Well adhesion to metals
- UV-resistance, heat and flame resistance
- Superior flexibility

Color Standard

- Black (also can be customized to yellow, green, or red)

How to Use

- Remove the greasy dirt on the object. Keep the surface clean and dry.
- Unpack M525W, remove its film from one side, wrap on the object and remove its film from the other side.
- Wrap M525W tightly on the object, and ensure more than 5mm overlap.

Type

Type	Dimension(mm) Thickness x Width x Length	Pack
M525W	1.8 x 90 x 600	60rolls/ctn

Technical Data

items	Requirement	items	Requirement
Operating time (curing time after unpacking)	60 mins	Curing time(surface-cured)	24 hours
Breakdown voltage up to 18kV	3 hours	Curing time(completely-cured)	7 days

Note: Above technical data are under the condition of 20°C temperature and 50% humidity.

Shelf life: 12 months after production.

Storage condition: 0°C~30°C, keep in dry and dark place.

Test	Typical Value	Test	Typical Value
Breakdown voltage (1.8mm thickness)	35.3kV	Resistant to fluorescent UV aging	No abnormality, no cracking for 1000h)
Breakdown voltage at power frequency	31kV	Voltage-withstand test in water	Immerse the sample in water, then apply 12kV voltage for 4h, no breakdown.
Dielectric constant	3.4		
Dielectric loss factor	0.004	Cold - Hot alternating test (-40°C ~ +85°C)	Put the sample into high or low temperature test chamber for 24h alternately, repeat 6 times, no abnormality, no cracking
Flame retardant property	V-0		
Volume resistivity	$3.4 \times 10^{15} \Omega \cdot \text{cm}$	Application temperature	-20°C ~ +80°C

Note: Above technical data is under the condition of completely cured.