



Technical DATA

Jacobs 25 Self Amalgamating Tape

01 Specification

- 19mm (W) x 9.15mtr (L) x 0.76mm (Th)
- 25mm (W) x 9.15mtr (L) x 0.76mm (Th)
- 38mm (W) x 9.15mtr (L) x 0.76mm (Th)
- 50mm (W) x 9.15mtr (L) x 0.76mm (Th)
- 19mm (W) x 10mtr (L) x 0.76mm (Th)
- 25mm (W) x 10mtr (L) x 0.76mm (Th)
- 38mm (W) x 10mtr (L) x 0.76mm (Th)
- 50mm (W) x 10mtr (L) x 0.76mm (Th)

* Size can be available as per Customers request.

02 Product Features

- High conformable, suitable for irregular surfaces
- Good compatibility with various materials and cables
- Emergency overload temperature up to 130 °C
- Easy installation and Time saving, no need heating, special tools
- Under a certain tension, it can self fusing quickly
- Good weather, UV, low and high temperature resistance
- Easily removed without residue after cutting Jacobs by knife. Convenient for subsequent maintenance.

03 Application range

- Primary insulation repair for cables up to 69KV
- Primary insulation for making stress cones on the cables
- Primary insulation and sheath repairing for cable jointing and terminating up to 69KV
- Moisture-resistant and sealing for electrical connection of high-voltage cables indoor and outdoor
- Insulation protection of connection parts of high voltage electrical equipment
- Insulation, moisture-resistant and sealing for cable ports and connections
- Service temperature: -40°C to +90°C
- Insulation for bus-bar connection and cable end seals

Jacobs 25 self amalgamating tape is made of premium EPR (Ethylene Propylene Rubber). It has excellent self amalgamating and insulation performance, high conformable, elongation, elastic resilience, tensile strength.

Tape is suitable for low voltage applications as well as insulation for joints up to 69 KV. Its excellent air tightness, weather and aging resistance, strong corrosion resistance, make itself an ideal product for electric insulation and sealing applications.

04 Instructions

1. Remove the isolation film of Jacobs 25, stretch the tape to 3/4 of its original width and wrap it on the objects.
2. Always half-overlap it on previous wrap to produce a uniform buildup, until reaching the thickness we need.
3. After wrapping, press the tape for a moment and the tape will amalgamate rapidly
4. At last, apply two layers pvc tape for mechanical protection

Advice:

- To make void-free in critical areas, highly elongate the tape approaching the breaking point
- For jointing and splicing cables from 35KV up to 69KV, elongate the tape throughout the entire splice

05 Technical Parameters

Properties	Typical Value
Tensile Strength	1.8Mpa
Elongation at break	800%
Temperature	90°C
Emergency overload Temperature	130°C
Dielectric Strength	32.5 KV/mm
Insulation Resistance	>1 x 10 ⁶ MΩ
Ozone and Aging Resistance	Pass
Shelf Life	5 Years

The above data is typical value, should not be regarded as actual specifications.

