

Self - Amalgamating Tapes

SAT1 Self-Amalgamating Tape

SAT1 Self-Amalgamating Tape is a highly adhesive synthetic rubber and resin based tape that 'cures' to a single mass once it is taped. Available in black or red.

- Ideal for sealing, waterproofing and insulating
- Highly resistant to hostile environments
- For high mechanical strength use SAT2
- SAT1RD is ideal for phase colouring and will not degrade or unwrap

When using SAT1, remove the separator and gently stretch sufficiently to reduce its width by 4-5mm, and wrap with a 50% overlap. Ensure no air is trapped in the wrapping process. In cold weather warm to room temperature.

SAT1 Black 20mm x 5m
SAT1/40MM Black 40mm x 5m
SAT1-RD Red 20mm x 15m



Technical Data

Conformant Standards

UL, NEMA, IEC, JIS

Material

Resin impregnated synthetic rubber with separator paper

Colour

Black/Red

Size

Black 5m x 20mm
 Black 5m x 40mm
 Red 15m x 20mm

Thickness

Adhesive Layer 0.1mm
 Main layer 1.0mm
 Separator Layer 0.18

Temperature

Storage up to 50°C
 Operating -30°C to 70°C
 Installing temperature: >10°C

Tensile Strength

0.02 kg/mm²

Elongation at Breaking Point

Above 400%

Breakdown Voltage

9 kV/mm thickness

Volume Resistivity

Above 1×10^{16} ohm cm

Water Absorption

Less than 0.05%

UV Resistance

Exceeds ISO 1408



SAT2 High Mechanical Strength

SAT2 is a synthetic rubber and resin self-amalgamating tape with a polyethylene separator that forms part of the joint, giving it high mechanical strength.

- Ideal for rugged environments
- Waterproof, especially if used in conjunction with SAT1
- Excellent electrical and ageing properties

When using SAT2, wrap with a 50% overlap with the adhesive side in, and gently stretch so that it closely adheres to the cable. The polyethylene separator forms part of the joint, and as a guide the tape should reduce in width by 1-2 mm when applied. In cold weather warm to room temperature.

SAT2

Technical Data

Conformant Standards

UL, NEMA, IEC, JIS

Material

Resin impregnated synthetic rubber with polythene film separating layer

Colour

Black

Dimensions

Roll 10m x 20mm

Thickness

Adhesive layer 0.38mm
 Main layer 0.50mm
 Poly separator 0.12mm

Temperature

Storage up to 50°C
 Operating -30°C to 70°C
 Installing temperature: >10°C

Tensile Strength

0.02 kg/mm²

Elongation at Breaking Point

Above 350%

Breakdown Voltage

6 kV/mm thickness

Volume Resistivity

Above 1×10^{16} ohm cm

Water Absorption

Less than 0.05%

UV Resistance

Exceeds ISO 1408

