



2501 PIB Self-Amalgamating Tape

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2501 PIB Self-Amalgamating Tape is a self-bonding tape without an adhesive layer, made from PIB (polyisobutene) rubber. When stretched, the tape amalgamates into a seamless, water- and airtight layer. Available in black.

PROPERTIES

This self-amalgamating tape delivers strong electrical and mechanical performance. Due to its high elongation, the tape is ideally suited for insulating, joining and repairing power and distribution cables up to 46 kV. Suitable for insulation, waterproofing electrical components, and providing corrosion protection, for example on metal piping. The tape rapidly self-amalgamates when stretched, forming an air-, water- and ozone-tight insulation layer without the use of heat or pressure. Supplied on rolls.

CHARACTERISTICS

- PIB (polyisobutene) based
- Forms an airtight, homogeneous insulation layer
- High elongation
- Resistant to water and ozone
- Non-sticky, easy to handle and apply
- Compatible with various materials and substrates
- Clean removal, suitable for permanent and temporary applications
- Colour: black

PROCESSING GUIDELINES

The substrate must be clean, dry, dust- and grease-free. Remove the protective film during application. Stretch the tape to about two-thirds of its original width to activate the amalgamating effect. Wrap the tape with at least 50 % overlap around the object to be insulated or sealed. Ensure each layer bonds well for a seamless connection. For electrical applications, always wrap in a spiral pattern, starting from the lowest point. Ensure the final wrap is properly seated and press the tape firmly to achieve optimal bonding. The tape will self-amalgamate into a homogeneous, airtight insulation layer within a short time. It can be removed cleanly by cutting along its length. Leaves no adhesive residue and can be reapplied if needed. Store the product in its original packaging in a cool, dry place (shelf life: 5 years from production date). Note: the tape is not resistant to hydrocarbon-based solvents, oils or greases.



SAFETY

No specific safety guidelines exist for this product.

MAINTENANCE INSPECTIONS

Possible damages to the sealing materials can be timely identified by performing periodic inspections. In order to prevent consequential damage, reconstruction works will be carried out in consultation with Celdex. Before any reconstruction works are carried out, it is essential to establish the cause of the damage to the sealing and to ask Celdex for additional advice. This can be done by means of targeted visual inspections or by assessing the damage in a laboratory.

IN CASE OF DOUBT

When in doubt, or in case of deviating circumstances, you can contact our Technical Department. Would you prefer customised advice? Our technical consultants will be happy to help you.

CELDEX

Celdex is a producer of synthetic foam products for construction, industry, sports & leisure. In addition to a wide range of standard products, we also provide customisation. Whichever product you choose, we produce everything in-house and use short delivery times. Celdex is the one discussion partner for airtight construction for architects, construction companies and the supplying industry. Our consultants have broad constructional know-how and think along about construction, use of material and critical connections. Our products can usually be applied prefabricated, which saves a lot of time and construction costs. Throughout the building process, we provide advice about the application and processing of our materials, aiming for optimal performance.

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- Tapes
- Polyurethane foams, elastic sealants and adhesives

TECHNICAL DATA

Colour	Black
Thickness	0.5 mm
Tensile strength	2 Mpa
Elongation	600 %
Dielectric strength	40 kV/mm
Volume resistivity	10 ¹³ ohm m
Service temperature range	-40 °C to +90 °C
UV and weather resistance	12 months
Shelf life at storage temperature 20 °C	12 months in closed package

The data on this product data sheet was represented as complete and as correctly as possible, but cannot constitute any guarantee. When in doubt, please consult one of our specialists. The application method, as also the application conditions will be your own responsibility. Deliveries will take place exclusively in conformity with our General Delivery and Payment Conditions.