

# PALIMEX®-FK/-K and -RW120



## Product information



### Special advantages:

- ✓ Electrically highly insulating.
- ✓ Galvanic isolation.
- ✓ Especially high adhesive force without pre-treatment of the surface or primer.
- ✓ Vibration damping.
- ✓ Highly tear resistant.
- ✓ Qualified for temperatures up to +80 °C (+176 °F).

**Self adhesive, plastic insulation and sealing tapes on butyl rubber basis. Also available as a red tape (PALIMEX®-RW120), a variant especially for railway constructions (fulfills DB-TL 91863).**

DEKOTEC GmbH stands for experience, quality and reliability in the field of corrosion prevention and sealing technology. The success is based on the development of the Petrolatum-Tape which was already developed in 1927 as the first product worldwide for passive corrosion prevention of pipelines. We establish and guarantee the highest quality standards with technically trend-setting products. Research, development and production take place exclusively in Germany. Our employees are continuously implementing safe and individual solutions in a personal cooperation with the customer.

## Description

**PALIMEX®-FK** features a laminated thin polyethylene film on the opposite side. In contrast to **PALIMEX®-K**, the **PALIMEX®-FK** is only adhesive on one side and therefore ideal for the use on free surfaces.

**PALIMEX®-K** is a self-adhesive plastic insulation and sealing tape made from adaptable butyl rubber, single side installation adhesive and a release layer. **PALIMEX®-K** is adhesive on both sides and is therefore ideal for the use between metal parts.

**PALIMEX®** tapes are used as intermediate layer between metal surfaces of the same or different type or construction parts made from other materials. Based on their high electrical resistance, they prevent the

generation of galvanic elements between components made from different metals.

**PALIMEX®-FK, -K and -RW120** are qualified for the

- Sealing of surfaces of metals of the same or different type in heating and cooling systems.
- Sealing of sheet metal ducts, riveted sheet metal packs as well as connections at corrugated spiral pipes in air conditioning and ventilation systems.
- Sealing of connections for prefabricated construction parts made from metal, plastic, glass and other materials.
- Sealing and corrosion prevention at chassis parts and other design elements in

the automotive and mobile home construction.

- Sealing of components for the electrical separation of construction elements made from different materials, e.g. steel and aluminum or steel and copper or brass, e.g. in the shipbuilding and aircraft industry.
- Sealing of shed roofs and facades.
- Corrosion protecting and sealing intermediate layer in wagon and container construction.

**PALIMEX®-RW120** is especially qualified for the sealing against moisture and for the corrosion prevention of components at railroad cars, which are connected force-fit through screw connections.

## Typical product properties

Property	Unit	Typical value	Test method
Processing temperature	Environment	-10 to +70 (+14 to +158)	-
	Metal surface	0 to +50 (+32 to +122)	
	Tape	0 to +50 (+32 to +122)	
Operating temperature	°C (°F)	-50 to +80 (-58 to +176)	-
Equivalent air layer thickness	m	2200	DIN 52615
Dielectric strength	kV/mm	≥35	DIN 53481
Specific electrical insulation resistance	Ohm m <sup>2</sup>	≥10 <sup>8</sup>	DIN 53482
Heat resistance at +120°C (+248°F)		Mastic does not drip	DB-TL 91863 (DENSIT <sup>®</sup> RW120)
Heat pressure test		Mastic swells less than 2 mm out, no excretion at lower edge	
Low temperature resistance		Cracks do not occur	
Adhesive capability low temperature resistance		Intermediate layer adheres strongly	
Resistance to:			-
Diluted acids		resistant	-
Diluted lyes		resistant	-
Salt solutions, sea water		resistant	-
Fungus, soil bacteria		resistant	-
Petroleum ether and other aliphatic and aromatic hydrocarbons		durable for short term contact, not durable in case of permanent storage.	-

## Processing

The surfaces to be sealed must be dry, clean and free of oils, greases and paint residues. Wrap **PALIMEX<sup>®</sup>** with overlapping and slight pull. When using it as an interim layer cut the required length from the roll and place it on the cleaned substrate by pressing on it but not pulling at it. Required holes for the feedthrough of screws and rivets can be drilled. **PALIMEX<sup>®</sup>** tapes can be easily applied manually. The processing on the pipe surfaces is even more efficient using the original **DEKOMAT<sup>®</sup>** wrapping equipment.

## Ordering information and packaging

<b>PALIMEX<sup>®</sup>-K, -FK, -RW120</b>	<b>Thickness (mm)</b>	<b>Roll length (m)</b>
K10	1	8
K20	2	4
FK6	0.6	15
FK10	1	10
FK20	2	5
FK30	3	2.5
RW120 (red tape)	1.5	10

**PALIMEX<sup>®</sup>-FK** and **PALIMEX<sup>®</sup>-K**, as well as **PALIMEX<sup>®</sup>-RW120** are delivered as rolls with standard width of 10, 15, 20, 25, 30, 40, 50, 60 and 100 mm. Additional dimensions available on request. The number of delivered rolls per box depends on the roll width, for example, 4 units are in one box for rolls that are 100 mm wide while there are 40 units in the box for rolls that are 10 mm wide. Rolls less than 100 mm diameter are not packed individually.

## Storage

When stored in its original, unopened packaging, **PALIMEX<sup>®</sup>-K, -FK, -RW120** can be stored for at least 60 months after the manufacturing date.

Storage temperature: ≤ +50°C (+122°F)

Store in a dry location and do not rest anything against the front of the product.

## DEKOTEC GmbH

P.O. Box 150120 | 51344 Leverkusen | Germany  
Phone: +49 214 2602-0

[www.dekotec.com](http://www.dekotec.com) | [info@dekotec.com](mailto:info@dekotec.com)

Our product information, our application recommendations and other product related documents are made for your convenience only. Since many installation factors are beyond our control, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection therewith. All information contained in this document is to be used as a guide and does not constitute a warranty of specification. The information contained in the document is subject to change without notice. For this reason, no liability can be accepted for inaccurate advice or any failure to provide advice.

The user is responsible for checking the applications of the product and verifying its suitability for the intended use. Our General Terms of Sale, which are available at [www.dekotec.com](http://www.dekotec.com), shall be decisive without any exception.

This is a translation from the original German product information. In case of any discrepancy or any dispute arising on the interpretation of this product information, the German text of the respective German product information, which is available at [www.denso-group.com](http://www.denso-group.com), shall be decisive. The legal relationship shall be governed by German law.