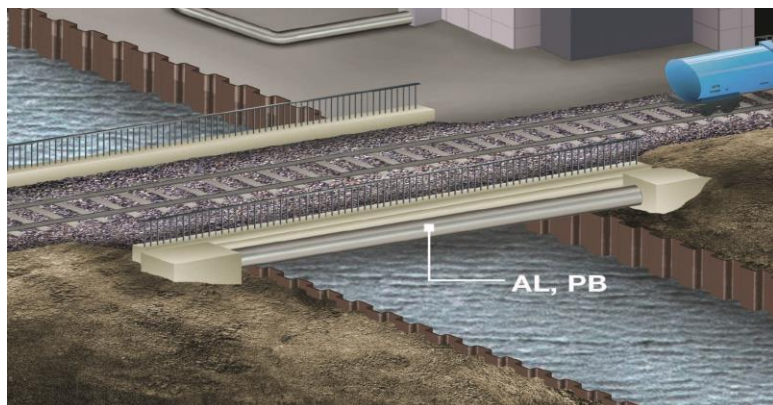







DENSIT[®]-AL/-PB

Product Information



Special advantages:

-  For temperatures up to +80°C (+176°F).
-  UV resistant.
-  Lowers the surface temperature by reflecting the sunlight.
-  Highly tear resistant.
-  Highly adhesive butyl rubber coating for optimal adhesion to different substrates.

Self-adhesive butyl rubber tapes with a laminated highly tear-resistant aluminum film for the sealing and insulation of above ground applications, e.g. on pipe bridges or for soil to air interface areas.

For a century now, DENSO Group Germany has been representing experience, quality and reliability for corrosion prevention and sealing technology. The success of the internationally leading corporation is based on the development of the "DENSO-Tape", which was already patented in 1927 as the first product worldwide for the passive corrosion prevention of pipelines. Since then, the DENSO Group Germany has been establishing and guaranteeing the highest quality standards with technically trend-setting products. Research, development and production take place exclusively in Germany. Our employees continuously implement safe and individual solutions in a personal cooperation with the customer.

Description

DENSIT[®]-AL and **DENSIT[®]-PB** are self-adhesive butyl rubber plastic tapes with laminated, polyester reinforced highly tear resistant aluminum film in silver gloss (**DENSIT[®]-AL**) of matt grey (**DENSIT[®]-PB**) design. The highly adhesive coating made from butyl rubber adheres very well to all common materials and surfaces. Therefore, the surfaces, edges, folds and other transitions will be completely covered and optimally sealed.

DENSIT[®]-AL and **DENSIT[®]-PB** are UV resistant and diffusion resistant against water vapor and oxygen.

Due to its metallic gloss, **DENSIT[®]-AL** and **DENSIT[®]-PB** reflect the solar radiation and therefore lower the surface temperature of the coating material. This means that the service life of the

encasement material of pipelines can be significantly increased especially in very warm countries with intensive sun radiation. Due to their metallic colors, **DENSIT[®]-AL** and **DENSIT[®]-PB** are also qualified for optically unobtrusive above grounds applications, e.g., on pipe bridges or soil to air interface area.

DENSIT[®]-AL and **DENSIT[®]-PB** are compatible with factory coatings made of PE, PP, FBE, PU, CTE and Bitumen.

DENSIT[®]-AL and **DENSIT[®]-PB** can be used in combination with all **DENSOLEN[®]** 3-ply tapes (e.g. **DENSOLEN[®]-AS40 Plus**) as corrosion prevention layer.

In addition, petrolatum tapes (**DENSO[®]-Plast**, **DENSO[®]-Feu** and **DENSO[®]-CaI**) can also be used as corrosion prevention layer.

In addition to the wrapping of corrosion prevention systems in pipeline construction, **DENSIT[®]-AL** and **DENSIT[®]-PB** can also be used for the corrosion prevention of pipe and cable brackets, for the antenna and chimney construction, for sheet metal paneling and sheet metal connections for roofs and buildings, in windows construction, for the installation and repair of gutters as well as for glass roofs, for greenhouses and dome lights.

DENSIT[®]-AL and **DENSIT[®]-PB** must be applied with at least 25 mm tape overlap. A clean, dry and grease free surface must be provided before the application. Careful work is required in case of sharp edges or chamfers to prevent damages to the film.

Typical product properties

Property	Unit	Typical value
Thickness	mm	≥ 0,6
Weight per unit area	g / m ²	app. 1015
Tensile strength	N / cm	33
Peel strength on steel (90 °, 100 mm / min)	N / cm	≥ 4
Water vapor permeability	g / m ² pro 24 h	< 1
Operating temperature	°C (°F)	-30 (-22) to +80 (+176)
Processing temperature (Environment, tape, surface)		0 (+32) to +40 (+104)
Resistant against	-	Weather, frost, water, UV
Not permanently resistant against	-	Oil, benzine, organic solvents

DENSIT[®] tapes can be easily applied manually. The processing with the original DENSOMAT[®] wrapping equipment together with the DENSIT[®] adapter for the installation of the Ø 78mm DENSIT[®] tape sleeve on the Ø 41mm DENSOMAT[®] is even more effective for DENSIT[®] tapes with width of > 50 mm, we recommend the use of the DENSOMAT[®] wrapping device to guarantee an excellent processing quality, assumed that the application through the layer by layer process is not used.

Ordering information and packaging

	Core diameter (mm)	Width (mm)	Tape length (m)	Tape area per roll (m ²)	Content per box			
					Number of rolls	Total tape area (m ²)	Total tape length (m)	kg (app.)
DENSIT [®] -AL	78	50	10	0.5	12	6.0	120	6.5
		75	10	0.75	12	9.0	120	9.5
		100	10	1.0	6	6.0	60	6.5
		150	10	1.5	6	9.0	60	9.5
		225	10	2.25	4	9.0	40	9.5

	Core diameter (mm)	Width (mm)	Tape length (m)	Tape area per roll (m ²)	Content per box			
					Number of rolls	Total tape area (m ²)	Total tape length (m)	kg (app.)
DENSIT [®] -PB	78	50	10	0.5	12	6.0	120	6.5
		75	10	0.75	12	9.0	120	9.5
		100	10	1.0	6	6.0	60	6.5
		150	10	1.5	6	9.0	60	9.5
		225	10	2.25	4	9.0	40	9.5

Additional dimensions available on request.

Storage

When stored in its original, unopened packaging, DENSIT[®]-AL and DENSIT[®]-PB can be stored for at least 60 months after the manufacturing date.

Storage temperature: ≤ +30°C (+86°F)

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

DENSO GmbH

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

www.denso-group.com | info@denso-group.com

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