



Special advantages:



For temperatures up to +110°C (+230°F).



Fast curing within 20 minutes.



Increases mechanical resistance of coatings.



High protection against cutting.



Ready-to-use no laminating necessary.

Glass fiber bandage for additional mechanical protection of anti-corrosion coatings.

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

DEPROTEC®-PUR is a glass fiber bandage for the additional mechanical protection of anti-corrosion coatings and field-joint coating. The glass fiber fabric is soaked in a polyurethane resin and it hardens – depending on the ambient conditions – within approximately 20 minutes to a hard and permanent protective encasement.

DEPROTEC®-PUR can be processed quickly and easily and, based on its flexibility during processing, it can also be used for complex geometries, e.g. for armatures and flanges. Tools are not

required for processing. Extensive and error-prone lamination, as needed for many GRP systems, is not required. The hardened polyurethane and the resistant glass fibers result in a high mechanical stability at temperatures of up to +110 °C (+230 °F).

DEPROTEC®-PUR can be used where anti-corrosion coatings are subjected to strong mechanical stresses. Therefore, it gives encasements made from **DENSO®** petrolatum tapes a significantly higher mechanical resistance. DEPROTEC®-PUR

can also be used in combination with **DENSOLEN®** tapes, e.g. for large area repairs with the **DENSOLEN®-Mastic**. **DEPROTEC®-PUR** therefore guarantees an additional stability and prevents an overly cold flow of the butyl mastic.

DEPROTEC®-PUR increases the impact resistance and the indentation resistance of field-joint coatings significantly and offers a very good protection against cuttings.

Processing

The provided gloves should be worn when processing **DEPROTEC®-PUR**. The bandage will be wrapped around the coated pipeline in spirals with little tensile stress. Depending on the required degree of reinforcement, the bandage can be applied single layer

overlapping or with multiple layers. The thickness of one layer is approximately 0.9 mm.
For a multi-layer processing and when using several rolls, the work should progress speedily before the first layer hardens to ensure that the layers grow

together. The material can be slightly moistened to accelerate the hardening. The end pieces of the rolls should be pressed tightly to prevent a rising of the corners. **DENSOLID®-FK2 C** (50 ml) is outstandingly qualified for the fast adhesion of the end pieces of the rolls.

Typical product properties

Reinforcement of DENSOLEN®-AS40 Plus	Without DEPROTEC®-PUR	2 layers of DEPROTEC®-PUR	4 layers of DEPROTEC®-PUR	Test method
Impact resistance	15 J	22 J	40 J	DIN EN 12068

Ordering information and form of delivery

Width (mm)	Length (m)	Number of rolls per box	Total tape area per box (m²)	Total tape length per box (m)
100	10	10	10	100

Storage

When stored in its original, unopened packaging, **DEPROTEC®-PUR** can be stored for at least 24 months after the manufacturing date.

Storage temperature: +10°C (+50°F) to +30°C (+86°F).

Short term (transport): +0°C (+32°F) to +40°C (+104°F).

Store in a dry and frost-free location.