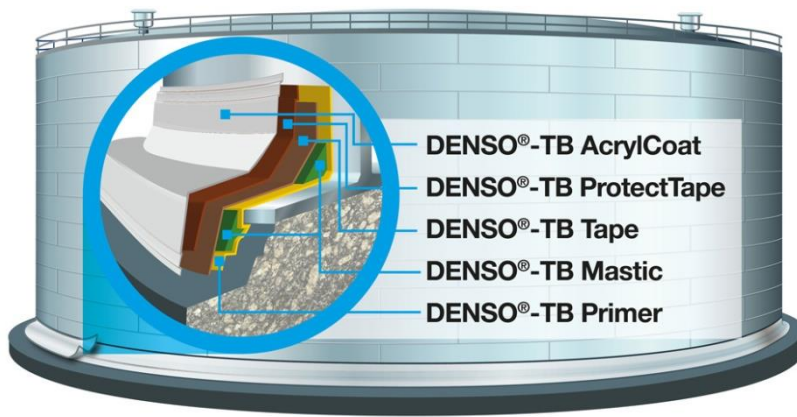


# DENSO®-TB System

## Product information



### Special advantages:

-  For service temperatures up to +80°C (+176°F).
-  Easy application, without special pre-treatment, even on moist surfaces.
-  Flexible and adaptable in the entire application temperature range.
-  Solvent free corrosion prevention system. No risk of explosion or skin burns during application.
-  Waterproof and eco-friendly.
-  Can be applied manually without special equipment.

## Highly anti-corrosion and sealing system for the transmission zone, steel-concrete, at above ground tank bases.

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.

### Product description

Tank bases of above ground storage tanks are frequently exposed to progressing corrosion. Due to gaps between the bottom steel plate and concrete base, air and water can penetrate and start corroding this area of the tank. This may lead, in worst case, to a replacement of the tank or a total shutdown.

**DENSO®-TB System** is a protective system for the transmission zone, steel-concrete, at above ground tank bases.

It provides the combination of an **excellent corrosion and weather protection** for operating temperatures up to +80°C (+176°F).

DENSO®-TB System is **cost effective** protection system to protect the outer tank base against corrosion and **contributes to economical repair** and **increases the service life** of the tanks.

It can be easily applied manually. **Even a layer of condensation**, which precludes the application of conventional anti corrosion systems,

**does not prevent DENSO®-TB System** from working effectively.

Additionally, the system convinces through its flexibility and adaptability in the entire application temperature range.

The system consists of:

DENSO®-TB Primer  
DENSO®-TB Mastic  
DENSO®-TB Tape  
DENSO®-TB ProtectTape  
DENSO®-TB AcrylCoat

**DENSO®-TB Primer** permits an easy coating of metallic or concrete surfaces, manually or with a putty knife. A special formulation permits the application even for moist substrates.

**DENSO®-TB Mastic** is a waterproof and eco-friendly self-supporting mastic for sealing and shaping to the transition area of irregular profiles.

**DENSO®-TB Tape** is very malleable in the entire application temperature range and due to its optimal surface wetting, this petrolatum-based corrosion prevention tape is easy to

process and has a robust inner made from polypropylene nonwoven. Due to its special design, it connects perfectly with the mechanical protective tape.

**DENSO®-TB ProtectTape** creates a highly resistant mechanical encasement above the corrosion prevention coating.

Due to the strong connection between the corrosion prevention tape and the mechanical protective tape, a very compact and stable overall system is achieved.

**DENSO®-TB AcrylCoat** is a UV-resistant top coat as additional protection and a visual completion of the applied corrosion protection system. Customers may use their own coatings, if technically equivalent to DENSO®-TB AcrylCoat, to achieve a colour shade that matches with the usual colour scheme of their storage tank coatings.

#### Product processing:

Please refer to the separate DENSO®-TB System application recommendation.

## Typical product properties

Properties	Unit	DENSO®-TB				
		Primer	Mastic	Tape	Protection Tape	AcrylCoat
Density	g/cm <sup>3</sup>	1,1	0,55	-	-	1,0
Thickness	mm	-	-	1,1	0,7	-
Colour	-	green-brown	brownish	dark brown	inside black	white (standard) <b>Project-specific colour possible (min. 500L)</b>
Dripping point	°C (°F)	≥+120 (+248)	≥+100 (+212)	≥+100 (+212)	-	-
Cathodic disbondment resistance 30d / +23°C (+73°F) system	mm	≤ 10				
Dielectric strength	KV	≥ 35				
Maximum service temperature	°C (°F)	Up to +80°C (+176°F)				
Resistance to oil, gasoline, kerosene		good				

## Ordering information and packaging

Product	Roll length (m)	Roll width (mm)	Tape area (m <sup>2</sup> )
DENSO®-TB Tape	10	100	1
DENSO®-TB Protect Tape	10	150	1,5

Product	Packaging	Contents	Gross weight [kg]
DENSO®-TB Primer	Plastic bucket	10 Kg	10,6
DENSO®-TB Mastic	Plastic bucket	12 Liter	7,2
DENSO®-TB AcrylCoat	Metal bucket	5,0 Liter	5,8

Additional dimensions available on request

## Storage

When stored in its original, unopened packaging, **DENSO®-TB** can be stored for at least 60 months after the manufacturing date.

Storage temperature: ≤ +40°C (+104°F)

The product must be stored in a dry and frost-free location, without load on the front surface.

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07.2022