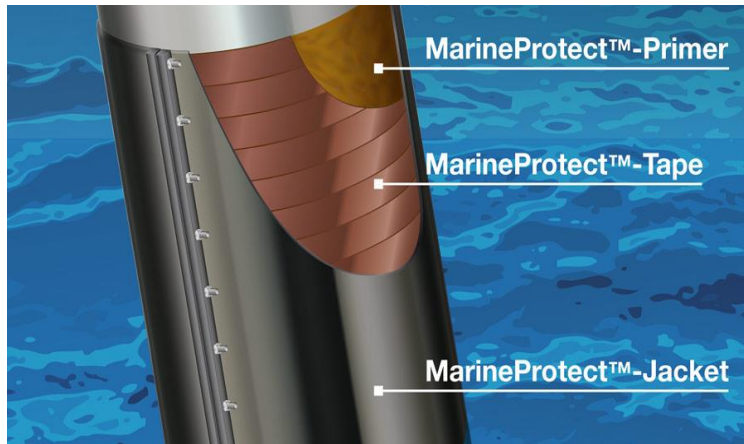


# MarineProtect™-2000 FD



## Product information



### Special advantages:



Fulfills ISO 18797-2.



Environmentally friendly. Complies with OECD aquatic guidelines 201, 202 and 203.



No water evacuation required.



Resists heavy waves and icy conditions.



Mechanically extremely resistant.

## Protection against corrosion and weather for piles made of metal, concrete or wood and underwater pipes

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.

### Product description

**MarineProtect™-2000 FD** is a ready-made, dimensionally stable system solution for coastal and maritime corrosion and weather protection on **piles or pipes** that are fully or partly submerged in water. The solution is ideal for **use in highly corrosive environments** in which conventional priming and coating systems fail to provide the required level of protection.

MarineProtect™-2000 FD is a flexible solution that delivers **high levels of mechanical resistance**. It is easy to apply to piles of any shape made from **metal, concrete or wood** and to underwater pipelines.

**Even in areas that become very icy in winter, the solution continues to provide reliable protection.**

MarineProtect™-2000 FD is easy to apply both on dry land or under water. There is no need

for the protected component to undergo a costly drying process or to wait for individual layers to cure, as is generally the case with other coating systems.

This makes the product highly cost effective, with a **controlled application method** that actively helps to **reduce costs**.

The solution is also an economical way to add protection to existing systems without removing previous coatings.

The use of MarineProtect™-2000 FD significantly **increases the service life** of pile constructions and underwater pipelines while **reducing repair costs**.

The ability to open and re-seal the jackets for maintenance purposes makes it easy to check the condition of the piles.

To **protect the flora and fauna** living in our seas and lakes, MarineProtect™-2000

FD complies with the OECD aquatic guidelines 201, 202 and 203.

#### Material consumption:

**MarineProtect™ primer:**  
approx. 350 g per m<sup>2</sup> surface

**MarineProtect™ tape:**  
approx. 2 m<sup>2</sup> per m<sup>2</sup> surface

**MarineProtect™ jacket:**  
Number of ready-made jackets depends on height of pile to be protected

#### Product processing:

Please follow the processing recommendations available separately for **MarineProtect™-2000 FD**.

## Material

The **MarineProtect™-2000 FD** solution uses our tried-and-tested petrolatum-based corrosion prevention tapes, which have been known and trusted for their outstanding corrosion prevention characteristics for over 90 years. The tapes reliably keep moisture away from the steel surface and stop corrosion in its tracks. The outer protective encasement provides an outstanding resistance against mechanical stresses and weathering influences.

The **MarineProtect™ primer** is based on a **natural wax** that provides **outstanding**

**coverage** on steel surfaces, even under water. The water is displaced when spreading the product on the surface. Irregularities and cavities can be equalized and filled with the primer. The covered steel surface is reliably protected against corrosion.

**MarineProtect™ tape** is a petrolatum-based corrosion prevention tape that contains a strong polyester non-woven material. MarineProtect™ tape is wrapped in a spiral layer over MarineProtect™ primer. The water is displaced by an appropriate winding tension

to create a dense and reliable corrosion prevention coating.

The applied corrosion protection is covered with the **MarineProtect™ jacket**, a protective coating made from strong, UV-resistant high-density polyethylene (HDPE). This jacket keeps outside stresses away from the corrosion prevention coating, guaranteeing long-lasting corrosion protection even when exposed to breakwater, strong winds and UV light. In the MarineProtect™-2000 FD system, the MarineProtect™ jacket is securely and reliably held in place using a **bolt** fastener.

## Typical product properties

	Property	Unit	MarineProtect™ Typical value	Test method
Primer	Density	g/cm <sup>3</sup>	approx. 0.90	ISO 2811
	Dripping point	°C (°F)	≥+100 (≥+210)	DIN 51801
Tape	Thickness	mm	1.2	-
	Dripping point	°C (°F)	≥+120 (≥+248)	DIN 51801
	Saponification number	mg KOH/g	≤10	DIN EN 12068
Jacket	Thickness	mm	approx. 2	
	Elongation at break	%	≥700	ASTM D 638
	Tensile strength	N/mm <sup>2</sup>	≥21	ASTM D 638
System	Impact resistance	J	≥15	DIN EN 12068

## Ordering Information & Packaging

**MarineProtect™ primer:** 10 kg bucket

**MarineProtect™ tape:** Roll length 10 m

Width (mm)	Rolls per box (pcs)	Surface area (m <sup>2</sup> ) per box	Total tape length (metres) per box
50	12	6	120
100	6	6	60
200	4	8	40

Other dimensions available on request.

**MarineProtect™ jacket**

Width (mm)	Length (mm)	Number of bolts/nuts/washers (pcs) (supplied)
950	based on customer requirements	6 / 6 / 12
1260		7 / 7 / 14
1900		12 / 12 / 24

## Storage

**MarineProtect™** can be stored in its unopened original packaging for at least 60 months from the date of manufacture.

Storage temperature: ≤ +40°C (+104°F)

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

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