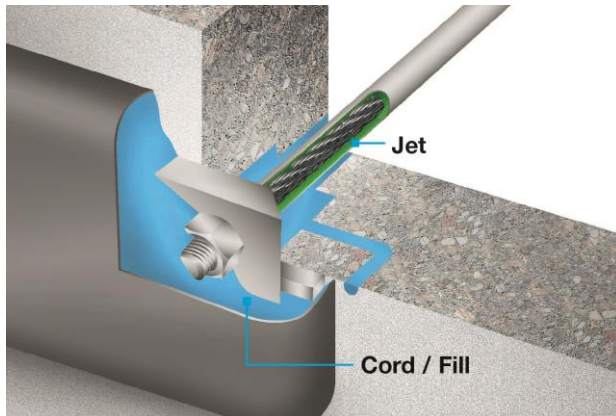


# PLASTELEN<sup>®</sup>-Jet,-Fill,-Cord

Product information



## Special advantages:



Operating temperatures up to +65°C (+149°F).



Ideal for prestressed anchors, prestressed braids and flange connections.



Low shrinking during cooling.



Very good moistening of steel surfaces.



High adhesion.

## Permanent plastic corrosion prevention mastic on petrolatum basis for the molten pressure injection in prestressed anchor systems, prestressed braids and flange connections.

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

**PLASTELEN<sup>®</sup>-Jet**, **PLASTELEN<sup>®</sup>-Fill** and **PLASTELEN<sup>®</sup>-Cord** are permanent plastic, meltable corrosion prevention mastics on petrolatum basis for the use in prestressed anchor systems, prestressed braids and between the flange plates.

**PLASTELEN<sup>®</sup>-Jet** and **PLASTELEN<sup>®</sup>-Fill** are designed especially for molten pressure injections into cavities at prestressed anchor systems, **PLASTELEN<sup>®</sup>-Fill** moreover for the gap at flange

connections. They differentiate itself with respect to their temperature stability of +40 °C (+104°F) for **PLASTELEN<sup>®</sup>-Jet** and up to +65 °C (+149°F) for **PLASTELEN<sup>®</sup>-Fill**.

Both mastics can be injected by a machine (molten) or through cartridges (slightly heated). **PLASTELEN<sup>®</sup>-Jet** and **PLASTELEN<sup>®</sup>-Fill** are available in practical package sizes matching any construction measure.

**PLASTELEN<sup>®</sup>-Cord** has a very low melt viscosity (temperature dependent) and therefore it is ideally suited for long flow paths, e.g. of up to 50 m and small gaps and cavities that must be filled. Therefore, **PLASTELEN<sup>®</sup>-Cord** will be processed for the filling of individual prestressed braids by using special equipment.

## Usage

### PLASTELEN<sup>®</sup>-Jet

- Pressure injection into long, narrow cavities at prestressed anchors, e.g. into the annular gap between duct and prestressed steel in the area of the free steel length.
- Filling of the core of prestressed bundles by using special equipment.

- Filling the cavities in the area of the anchor head at permanent temperature stresses up to +40°C (+104 °F).

### PLASTELEN<sup>®</sup>-Fill

- Filling the cavities in the area of the anchor head at permanent temperature stresses +65°C (+149 °F).
- Filling of the annular space between prestressed anchor and fire

protection duct in structural design and bridge construction.

- Coating of steel protrusions exposed to the air.
- Molten filling of horizontal and vertical gaps at flange connections.

### PLASTELEN<sup>®</sup>-Cord

- Molten filling of individually encased prestressed braids by using special equipment.

## Typical product properties

Property	Unit	Typical properties			Test method
		PLASTELEN®-Jet	PLASTELEN®-Fill	PLASTELEN®-Cord	
Operating temperature	°C (°F)	≤+40 (+104)	≤+65 (+149)	≤+40 (+104)	
Processing temperature	Machine injection	+90 - +120 (+194 - +248)	+90 - +120 (+194 - +248)	+90 - +120 (+194 - +248)	
	Cartridge injection	+40 - +85 (+104 - +185)	+40 - +85 (+104 - +185)		
Color	-	dark brown	brown	dark brown	-
Density at 23 °C (73.4 °F)	g/cm <sup>3</sup>	0.94	0.92	0.89	ISO 2811
thermal Contraction coefficient +100°C to +23°C (+212 °F to +73.4 °F)	grd <sup>-1</sup>	0.61 *10 <sup>-3</sup>	0.77 *10 <sup>-3</sup>	0.94 *10 <sup>-3</sup>	ISO 2811
Dripping point according to Ubbelohde	°C (°F)	68	83	66	DIN 51801
Viscosity (Rotational viscometer)	+55°C(+131°F)	-	4000	500	DIN 53019-1
	+65°C(+149°F)	2000	1000	150	
	+85°C(+185°F)	450	350	50	
Water absorption (23°C / 73.4 °F)	1 day	<0.01	<0.01	<0.01	DIN EN ISO 62
	23 days	0.08	0.08	0.12	
Saponification number	mg(KOH)/g	1.0	1.0	1.0	DIN EN 12068
Specific electrical resistivity	Ohm *cm	>10 <sup>9</sup>	>10 <sup>9</sup>	>10 <sup>9</sup>	DIN IEC 60093

## Ordering information and packaging

Product	Packaging	Content [kg]	Gross weight app. [kg]
PLASTELEN®-Jet	Box with 10 cartridges each	10 x 0.25	3.4
	Hobbock 1)	20	22
	Barrel 2)	170	192
PLASTELEN®-Fill	Box with 10 cartridges each	10 x 0.25	3.4
	Hobbock 1)	20	22
	Barrel 2)	170	192
PLASTELEN®-Cord	Hobbock 1)	20	22
	Barrel 2)	160	182

1) Dimensions 350 mm x 360 mm.

2) Corrugation lid barrel with tension and bung hole top, dimensions 590 mm x 890 mm.

## Storage

When stored in its original, unopened packaging, **PLASTELEN®-Jet, -Fill, -Cord** can be stored for at least 60 months after the manufacturing date.

Storage temperature: ≤ +50°C (+122°F)

## 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)

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