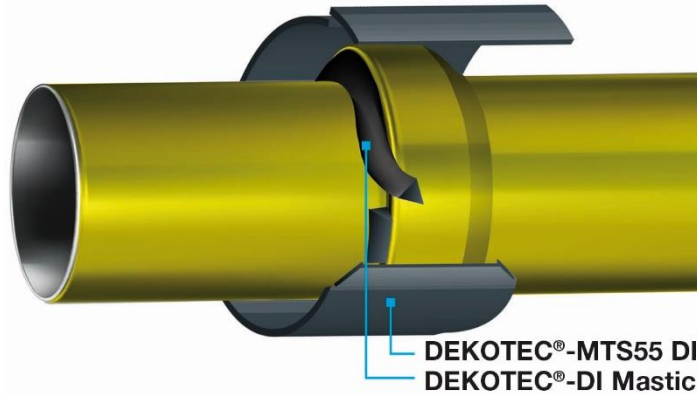


DEKOTEC®-MTS55 DI /-DI Mastic



Product information



Special advantages:



For operating temperatures up to +60°C (+140°F).



Applicable to pipes made of cast iron, steel and stoneware – without preheating.



Fulfills the requirements of EN 12068-C50 and ISO 21809-3; Type 14A-1.



Outstanding lap shear strength and peel strength.



Reliable protection against corrosion and root penetration.

Mastic sleeve for protecting spigot-and-socket pipes against corrosion and root penetration.

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

DEKOTEC®-MTS55 DI in combination with **DEKOTEC®-DI Mastic** is a sealing system solution, which provides an outstanding protection against corrosion and root penetration at sleeve joints without an extensive heating process.

DEKOTEC®-MTS55 DI is a heat shrinkable sleeve consisting of a robust electron beam cross-linked polyethylene backing and a mastic adhesive. DEKOTEC®-DI Mastic is an especially balanced self-adhesive material, which is

simultaneously used as a protection for existing sealings and to balance of the sleeve bell protrusion. A fast and simple processing is achieved through the self-adhesive properties and the dimensioning as a triangle profile in a strand shape.

DEKOTEC®-MTS55 DI can be applied to pipes made from steel, cast iron, concrete and stoneware as well as on plastic or bitumen coatings.

Significant time and cost savings are archived and an increased safety against application mistakes is provided due to the elimination of the extensive pre-heating process*.

DEKOTEC®-MTS55 DI fulfills all requirements of EN 12068 and DIN 30672 of Class C at operating temperatures of +55°C (+131°F) and can also be used for operating temperatures of up to +60°C (+140°F).

* Drying of the surface with a flame is adequate.
Surface temperature > +23 °C (> +73 °F).

Typical product properties

	Property	Unit	Typical value	Required value	Test method	
Adhesive	Softening point ring and ball	°C(°F)	>+85(+185)	Not stated	ASTM E28	
	Lap shear strength	+23°C/ +73°F	N/cm ²	>100	≥5	EN 12068
		+50°C/ +122°F	N/cm ²	≥10	≥5	EN 12068
Backing	Elongation at break	%	>500	Not stated	EN 12068	
	Tensile strength	N/mm	≥20	Not stated	EN 12068	
	Dielectric strength	kV / mm	≥35	Not stated	ASTM D149	
	Volume resistivity	Ω · cm	≥10 ¹⁵	Not stated	ASTM D257	
	Hardness	Shore D	≥55	Not stated	ISO 868 / ASTM D2240	
System	Specific electrical insulation resistance	Ω · m ²	≥10 ¹⁰	≥ 10 ⁸	EN 12068	
	Indentation resistance*	+23°C/ +73°F	mm	>2	≥0.6	EN 12068 (10 MPa)
		+50°C/ +122°F	mm	>1.8	≥0.6	EN 12068 (10 MPa)
	Impact resistance*	J	≥17	>15	EN 12068	
	Peel strength on pipe surface (+23°C/ +73°F)	Steel	N / cm	>28	≥10	EN 12068
		Cast iron, stoneware, concrete ¹⁾	N / cm	>15	-	EN 12068
	Peel strength on PE factor coating	+23°C/ +73°F	N / cm	>28	≥4	EN 12068
Cathodic disbondment resistance	mm	<3	<20	EN 12068		

* Values for the sleeve thickness of 2.5 mm (type N)

¹⁾For closed concrete pores when using **DEKOTEC®-EP Primer**.

Ordering information and packaging

DEKOTEC®-MTS55 DI

Width:

300 mm, 450 mm

Thicknesses:

1,8 mm (typ T)

2,5 mm (typ N)

Lengths:

Master rolls 30 m (typ T)

20 m (typ N)

Additional dimensions available on

request.

Closure patch

Length: 150 mm, 200 mm

50 units per box

DEKOTEC®-DI Mastic

Edge length triangle profil

30 mm

Additional dimensions available on request.

3 rolls 4,67 m each, a total of 14 m per box

Storage

When stored in its original, unopened packaging, **DEKOTEC®-MTS55 DI** can be stored for at least 60 months after the manufacturing date.

When stored in its original, unopened packaging, **DEKOTEC®-DI Mastic** can be stored for at least 36 months after the manufacturing date.

Storage temperature: **DEKOTEC®-MTS55 DI** ≤ +50°C (+122°F), **DEKOTEC®-DI Mastic** ≤ +25°C (+77°F).

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

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The user is responsible for checking the applications of the product and verifying its suitability for the intended use.

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