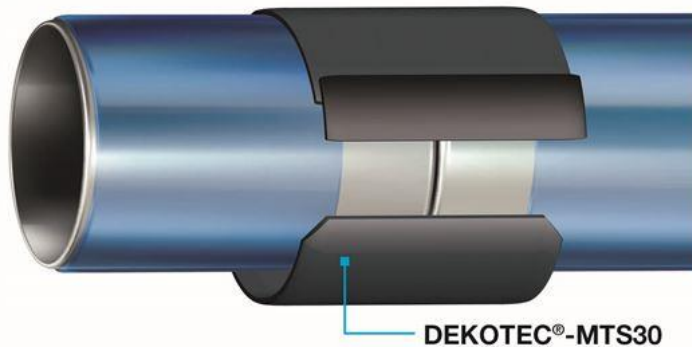









DEKOTEC[®]-MTS30

Product information



Special advantages:

-  For operating temperatures up to +30 °C (+86 °F).
-  Compatible with factory coatings made of PE, PP, FBE, PU and bitumen.
-  Two-layer system.
-  Sandblasting the steel surface and preheating are not required.
-  C30
EN 12068
-  14A-1
ISO 21809-3
-  Outstanding lap shear strength and peel strength.

Cost-effective mastic sleeve solution for protecting welded seams on steel pipes against corrosion.

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

DEKOTEC[®]-MTS30 is a heat shrinkable sleeve consisting of an electron beam cross-linked polyethylene carrier film and an adhesive on the basis of a polymer-modified bitumen for the corrosion prevention of the field joints at steel pipes.

DEKOTEC[®]-MTS30 can be directly applied to cleaned surfaces ST 2 in accordance with ISO 8501-1. Sandblasting or a primer are not required.

The combination of a robust PE carrier film with a strongly adhesive adhesive coating of the two-layer encasement system DEKOTEC[®]-MTS30 provides an outstanding corrosion prevention and an easy and time-saving processing. Significant time and cost savings are archived and an increased safety against application mistakes is provided due to the elimination of extensive preheating process*.

DEKOTEC[®]-MTS30 can be used on pipes with factory coatings made of PE, PP, FBE, PU and Bitumen.

Additional heat shrinkable sleeve types are available for higher operating temperatures with **DEKOTEC[®]-MTS55** and **DEKOTEC[®]-BTS60** +60 °C (+140 °F) as well as **DEKOTEC[®]-HTS70** +70 °C (+158 °F), **DEKOTEC[®]-HTS90** +90 °C (+194 °F) and **DEKOTEC[®]-HTS100** +100 °C (+212 °F).

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

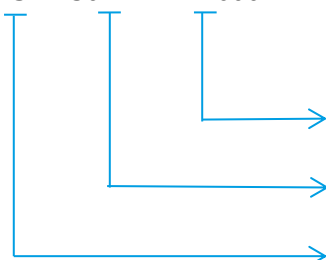
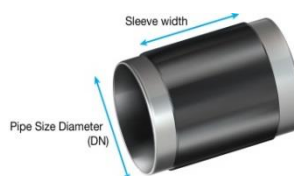
Typical product properties

	Property	Unit	Typical value	Required value	Test method
Adhesive	Softening point	°C (°F)	>+75 (>+167)	Not stated	ASTM E28
	Lap shear strength	N / cm ²	>70	≥5	EN 12068 DIN 30672
Backing	Elongation at break	%	≥500	Not stated	EN 12068
	Tensile strength	N/mm	≥20	Not stated	EN 12068
		MPa (psi)	≥20 (2900)	Not stated	ASTM D638
	Dielectric strength	kV / mm	≥35	Not stated	ASTM D149
	Volume resistivity	Ω · cm	≥10 ¹⁵	Not stated	ASTM D257
System	Hardness	Shore D	≥55	Not stated	ISO 868 ASTM D2240
	Specific electrical insulation resistance	Ω · m ²	≥10 ¹⁰	≥10 ⁸	EN 12068
	Indentation resistance *	mm	≥2	≥0.6	EN 12068
	Impact resistance*	J	≥15	>15	EN 12068
	Peel strength on pipe surface	N / cm	≥12	≥5	EN 12068
	Peel strength on PE factory coating	N / cm	≥12	≥4	EN 12068
	Cathodic disbondment resistance (radius)	mm	<3	<20	EN 12068

* Values for the sleeve thickness 2.6 mm (type S)).

Ordering information and packaging

DEKOTEC®-MTS30 - S - 450MM - DN600



Pipe diameter (DN)				
DN 30 - DN 3000				
Sleeve width (mm)				
350, 450, 550, 650				
Type designation				
T	L	D	S	
0,7	1,0	1,0	1,0	Thickness PE film (mm)
1,1	1,2	1,4	1,6	Thickness adhesive (mm)
1,8	2,2	2,4	2,6	Total thickness (mm)
30	25	20	20	Length of master roll (m)

Nominal pipe diameter	Sleeves per box (pcs)
DN300	9
DN600	6
DN900	4

Additional information about package sizes can be obtained on request.

The listed dimensions refer to the delivery condition. Additional dimensions available on request.

Customize sleeves include closure patches. **DEKOTEC®-CLP** closure patches are available for master rolls.

Storage

When stored in its original, unopened packaging, **DEKOTEC®-MTS30** can be stored for at least 60 months after the manufacturing date.

Storage temperature: ≤ +30°C (+86°F).

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

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