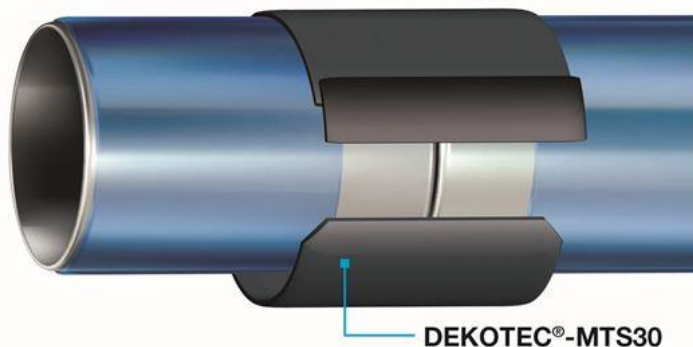









DEKOTEC[®]-MTS30

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.
-  Fulfills the requirements of EN 12068-C 30 and DIN 30672-C 30.
-  Fulfills the requirements of ISO 21809-3; Type 14A-1.
-  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 a mastic adhesive 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).

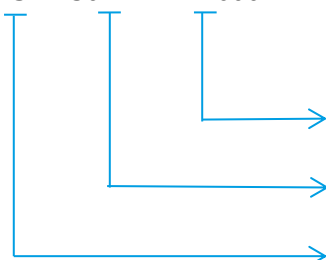
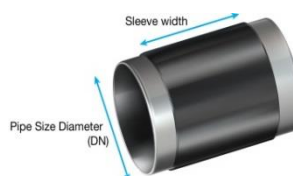
Typical product properties

| | 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 |

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.

Additional information about package sizes can be obtained on request.

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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