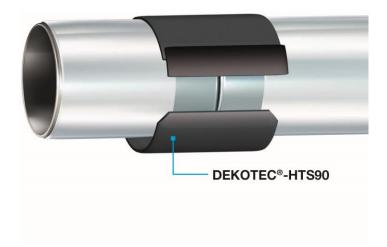
DEKOTEC®-HTS90

Product information





Special advantages

- For opreating temperatures up to +90°C (+194°F).
- Three-layer system equivalent to 3LPE.
- DIN-DVGW approved system: C 80
 UV (EN 12068).
- Lower preheating temperature than comparable competitive products.
- Outstanding peel strengths.
- Approvals in accordance with GOST R.
- Compatible with factory coatings made of PE, PP, FBE, PU and bitumen.

Heat shrinkable sleeve for the permanent corrosion prevention of field joints at steel pipes and pipelines.

For a century now, DENSO Group Germany represents 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 establishes and guarantees 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®-HTS90 is a heat shrinkable sleeve made of an electron beam cross-linked polyethylene backing and a coating made from hot melt adhesive.

DEKOTEC®-HTS90 provides a permanent corrosion prevention on welding seams at steel pipes and pipelines.

DEKOTEC®-HTS90 can be used as two- layer heat shrinkable sleeve system, or together with **DEKOTEC®-EP Primer**, as a three-layer heat shrinkable sleeve system. Both systems have DIN-DVGW certificates for the stress class C 80 UV in accordance with DIN EN 12068

(Reg.- No.: 5180BS0064, NG-5180BS0065). In addition,

DEKOTEC®-HTS90 has an approval in accordance with GOST R 51164-98 (Russia).

The three-layer system consisting of **DEKOTEC**®-**EP Primer** and **DEKOTEC**®-**HTS90** provides an increased protection in case of damages to the encasement as well as an increased safety against failed applications based on the surface preparation with the **DEKOTEC**®-**EP Primer**.

DEKOTEC®-HTS90 is compatible with factory coatings made of PE, PP, FBE, PU and Bitumen.

Standard designation:

EN 12068 – C HT 80 UV



Beyond the standard classification, **DEKOTEC®-HTS90** can be used for permanent operating temperatures of up to +90°C (+158°F.

For lower temperature requirements, **DEKOTEC®-HTS70** +70°C (+158°F), **DEKOTEC®-MTS55** +60°C (+140°F) as **DEKOTEC®-MTS30** +30°C (+86°F) are available as high quality and cost effective alternatives.



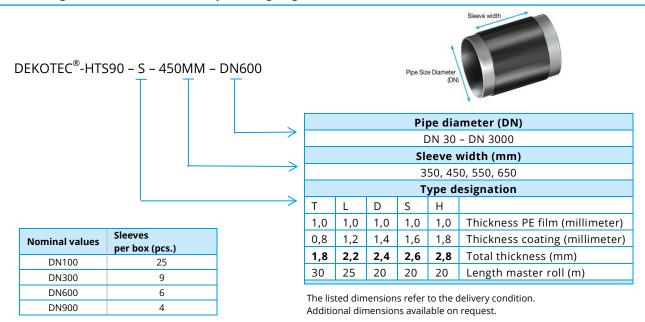
Typical product properties

DEKOTEC®-HTS90 with **DEKOTEC®-EP Primer**

	Property		Unit	Typical value	Required value	Test method
Adhesive	Softening point		°C(°F)	>+110(>+230)	Not stated	ASTM E28
	Lap shear strength	+23°C(+73°F)	N/cm ²	>275	≥5	EN 12068 DIN 30672
		+80°C(+176°F)	N/cm ²	≥6	≥5	EN 12068 DIN 30672
Backing	Elongation at break		%	>500	-	EN 12068
	Tensile strength		N/mm	>20	-	EN 12068
			MPa (psi)	>20 (2900)	-	ASTM D638
	Elongation at break after thermal aging (21 days at +150 °C / +302 °F)		%	>500	-	ASTM D638
	Lap shear strength after thermal aging (21 days at +150 $^{\circ}$ C / +302 $^{\circ}$ F)		MPa	>20	-	ASTM D638
	Dielectric strength		kV / mm	>35	-	ASTM D149
	Volume resitivity		$\Omega \cdot \text{cm}$	≥10 ¹⁵	-	ASTM D257
	Water absorption		%	<0.1	-	ASTM D570
	Hardness		Shore D	≥55	-	ISO 868 ASTM D2240
System	Specific electrical insulation resistance		$\Omega \cdot m^2$	≥10 ¹⁰	≥10 ⁸	EN 12068
	Indentation resistance*	+23°C(+73°F)	mm	≥2	≥0.6	EN 12068
		+80°C(+176°F)	mm	≥1	≥0.6	EN 12068
	impact resistance*		J	≥20	>15	EN 12068
		+23°C(+73°F)	N / cm	>65	≥5	EN 12068
		+80°C(+176°F)		≥2	>0.5	
	Peel strength on PE factory coating +23°C(+73°F)		N / cm	≥50	≥4	EN 12068
	Cathodic disbondment resistance (radius)**		mm	<8.5	<20	EN 12068

^{*} The listed values are based on a sleeve thickness of 2.6 mm (type S).

Ordering information and packaging



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be obtained on request.

Additional information about package sizes can

Our product information, our application recommendations and other product related documents are made for your convenience only. Since many installation factors are beyond our control, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection therewith. All information contained in this document is to be used as a guide and does not constitute a warranty of specification. The information contained in the document is subject to change without notice. For this reason, no liability can be accepted for inaccurate advice or any failure to provide advice.

The user is responsible for checking the applications of the product and verifying its suitability for the intended use. Our General Terms of Sale, which are available at www.denso.de, shall be decisive without any exception.

Customize sleeves include closure patchs. **DEKOTEC®-CLP**

closure patchs are available for master rolls.

This is a translation from the original German product information. In case of any discrepancy or any dispute arising on the interpretation of this product information, the German text of the respective German product information, which is available at www.denso.de, shall be decisive.

The legal relationship shall be governed by German law.

02.2017