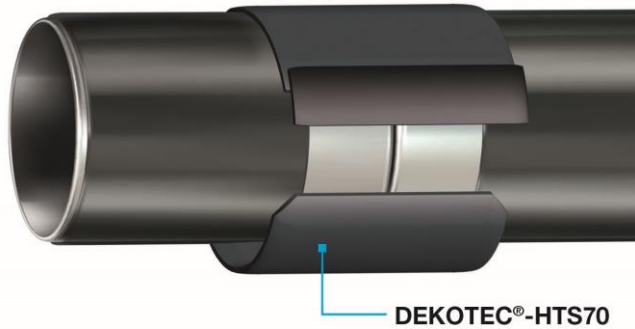


DEKOTEC®-HTS70

Product information



Special advantages

- For operating temperatures up to +70 °C (158 °F).
- Three-layer system equivalent to 3LPE.
- DIN-DVGW approved system: C 60 UV (EN 12068, DIN 30672).
- Lower preheating temperature than comparable competitive products.
- Outstanding peel strength and lap shear strength.
- Approval a.o. by Gaz de France (France), Enagás (Spain) and GOST R (Russia).
- 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.

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®-HTS70 is a heat shrinkable sleeve made of an electron beam cross-linked polyethylene backing and a coating made from hot melt adhesive.

DEKOTEC®-HTS70 provides a permanent corrosion prevention on welding seams at steel pipes and pipelines.

DEKOTEC®-HTS70 can be used as two-layer or three-layer heat shrinkable sleeve system together with the **DEKOTEC®-EP Primer**. Both systems have DIN-DVGW certificates for stress class C 60 UV in accordance with DIN EN 12068 (Reg.-No.: NV-5180 BR0224).

The surface preparation with **DEKOTEC®-EP Primer** provides an increased safety against failed applications and an increased protection in case of damages to the encasement.

DEKOTEC®-HTS70 is compatible with factory coatings made of PE, PP, FBE, PU and Bitumen.

The performance of **DEKOTEC®-HTS70** is shown internationally in many usages as well as the high number of certifications by DVGW (Germany), Gaz de France (France), Enagás (Spain), SVGW (Switzerland) and Synergrid (Belgium), as well as GOST R (Russia).



Standard designation:

- EN 12068 – C 60 UV

Beyond the standard classification, **DEKOTEC®-HTS70** can be used for permanent operating temperatures of up to +70°C (+158°F).

An additional high quality heat shrinkable sleeve is available with **DEKOTEC®-HTS90** +90°C (+194°F) for higher operating temperatures. **DEKOTEC®-MTS55** +60°C (+140°F) as well as **DEKOTEC®-MTS30** +30°C (+86°F) are cost effective alternatives for lower temperature requirements.

Typical product properties

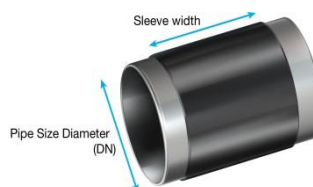
DEKOTEC®-HTS70 with DEKOTEC®-EP Primer

	Property	Unit	Typical value	Required value	Test method	
Adhesive	Softening point	°C(°F)	>+90 (>+194)	Not stated	ASTM E28	
	Lap shear strength (+23°C/ +73.4°F)	N/cm ²	≥275	≥5	EN 12068 DIN 30672	
	Lap shear strength (+60°C/ +140°F)	N/cm ²	≥15	≥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 °C / +302 °F)	MPa	>20	-	ASTM D638	
	Dielectric strength	kV / mm	>35	-	ASTM D149	
	Volume resistivity	Ω · cm	≥10 ¹⁵	-	ASTM D257	
	Water absorption	%	<0.1	-	ASTM D570	
Hardness	Shore D	≥55	-	ISO 868 ASTM D2240		
System	Specific electrical insulation resistanc	Ω · m ²	≥10 ¹⁰	≥10 ⁸	EN 12068	
	Indentation resistance*	(+23°C/ +73.4°F)	mm	>2	≥0.6	EN 12068
		(+60°C/ +140°F)	mm	>2	≥0.6	EN 12068
	Impact resistance*	J	≥17	>15	EN 12068	
	Peel strength on pipe surface	(+23°C/ +73.4°F)	N / cm	≥100	≥5	EN 12068
		(+60°C/ +140°F)	N / cm	≥2.5	≥0.5	
	Peel strength on PE factory coating (+23°C/ +73,4°F)	N / cm	≥100	≥4	EN 12068	
Cathodic disbondment resistance (radius)	mm	<2	-	ASTM G8		

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

Ordering information and packaging

DEKOTEC®-HTS70 - S - 450MM - DN600



Nominal pipe diameter	Sleeves per box (pcs)
DN100	25
DN300	9
DN600	6
DN900	4

Additional information about package sizes can be obtained on request.

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

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.

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