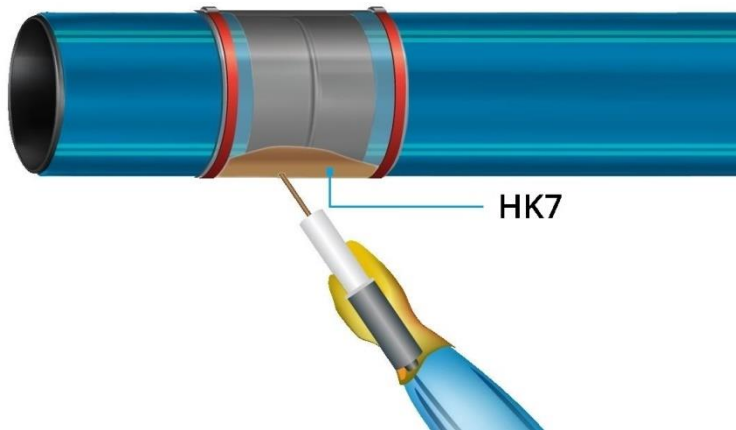


DENSOLID®-HK7

Product Information



Special Advantages:

- ✓ Outstanding protection of weld seams on plastic pipes.
- ✓ High mechanical stability and abrasion resistance.
- ✓ Simple, safe processing using two-component cartridges.
- ✓ Rapid curing.

Mechanical protective coating for the weld seam area on plastic pipes, especially for trenchless laying techniques.

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.

Product Description

DENSOLID®-HK7 is a rapidly-curing, mechanically hard-wearing coating based on polyurethane. DENSOLID®-HK7 is characterized by its high abrasion resistance and impact strength.

Thanks to these properties, DENSOLID®-HK7 is ideally suited to assume the function of a protective wrapping in the weld seam area for

plastic pipes with protective wrappings.

Thanks to the use of a specialized casing system, the cut-back of the protective wrapping in the weld seam area is filled completely, flush to the edge, and a high finish quality is achieved with the coating. Due to the smooth surface, only a truly minimal resistance is presented to the ground for

trenchless laying techniques such as are used in horizontal directional drilling, for example.

DENSOLID®-HK7 is processed out of practical 2-component cartridges, which guarantee a constant mixing ratio while ensuring that work can proceed cleanly and rapidly.

At low temperatures, the curing of DENSOLID®-HK7 can be accelerated with suitable heat sources.

Typical product properties

Characteristic		Unit	Typical value	Required value	Test method
Color		-	yellow	-	
Hardness	+23 °C (+73°F)	Shore D	70±3	-	ISO 868
Density		g/cm ³	1.3 (approx.)	-	-
Pot life	+5°C (+41°F)	min	10 (approx.)	-	
	+25°C (+77°F)	min	3 (approx.)	-	
	+35°C (+95°F)	min	2.5 (approx.)	-	
Hardening time	+5°C (+41°F)	h	25	-	
	+15°C (+59°F)	h	15	-	
	+60°C (+140°F)	h	3	-	

Material consumption

The material consumption specified is based on a weld seam where the protective jacket has a cut-back of 40 mm on both sides.

D _a [mm]	Number of seams per cartridge	D _a [mm]	Number of cartridges per seam
<90	10 (approx.)	355	1.1
110	7	400	1.7
125	5	450	2.0
140	4	500	2.6
160	3	560	2.9
180	2	630	3.3
200	2	710	3.7
225	1	800	4.2
250	1	900	4.7
280	1	1000	5.2
315	1	1200	6.2

Ordering information and packaging

3 static mixers per cartridge
15 adhesive pads per box

Contents per cartridge		Contents per box	
[ml]	[g]	Cartridges	[kg]
400	520	5	2.6

Storage conditions

When stored in its original, unopened packaging, **DENSOLID®-HK7** can be stored for at least 12 months after the manufacturing date.

Storage temperature: +15°C (+59°F) to +30°C (+86°F).

Short term (transport): +5°C (+41°F) to +50°C (+122°F).

The product must be stored in a location that is protected from frost.

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