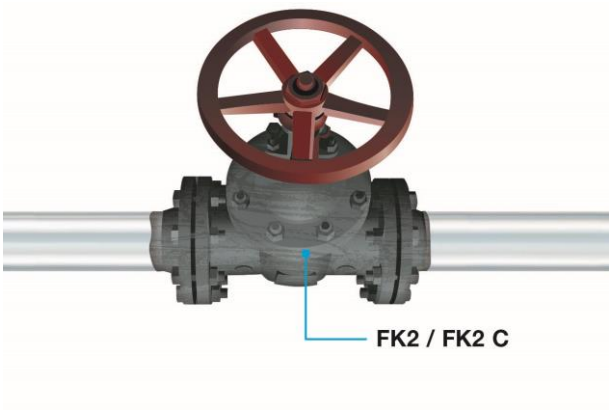
DENSOLID®-FK2

Product information



Special advantages:

- Operating temperature from -20°C to +80°C (-4°F to +176°F).
- Stress class B, type 3 in accordance with DIN EN 10290.
- Solvent-free.
- Outstanding balance of flexibility and hardness.
- Can be used as factory or construction side coating.

Polyurethane coating for corrosion prevention of buried steel pipes, armatures and containers and for Soil to air Interface Area.

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

DENSOLID®-FK2 is a two component polyurethane coating for the application by airless hot spray processes.

DENSOLID®-FK2 is outstandingly qualified for a permanent corrosion prevention of buried steel pipes, armatures and containers. DENSOLID®-FK2 is also qualified for the especially high requirements in the area of soil to air interface areas of pipelines.

DENSOLID®-FK2 can be used for factory coatings as well as for field coatings and therefore it can be used in the rehabilitation area as well as for new constructions.

The high hardness in combination with good stretchability provides a high degree of resistance against mechanical damages.

Based on these properties, DENSOLID®-FK2 is, for example, used very successfully for the renewal of corrosion prevention coatings in gas compressor stations.

DENSOLID®-FK2 fulfills the requirements of DIN 30677-2 and DIN EN 10290 (class B, type 3) and it is therefore qualified for high mechanical stresses at operating temperatures up to +80°C (+176°F).

As the coating material for smaller areas as well as for holiday repairs, **DENSOLID®-FK2 C** can be applied by a palette-knife and is available as a variant in practical two chamber cartridges.

Typical product properties

Property		Component A	Component B
Color		Black	Brown transparent
Dyn. viscosity, (mPas)	+25°C (+77°F)	13000	160
	+50°C (+122°F)	1500	
	+70°C (+158°F)	300	
Density (g/cm³)		app. 1.39	app. 1.23
Mix ratio	Weight	100	36.36
	Volume	100	40.9

Property		Unit	DENSOLID®-FK2 Typical value	Required value	Test method
Impact resistance	+23°C (+73°F)	J/mm	>7	>5	EN 10290
	-5°C (+23°F)	J/mm	>3	>2	EN 10290
Indentation resistance	+23°C (+73°F)	mm	<0.15	≤0.2	EN 10290
	+80°C (+176°F)	%	≤29	≤30	EN 10290
Hardness	+5°C (+41°F)	Shore D	77 ±3	-	ISO 868
	+23°C (+73°F)	Shore D	74 ±3	-	ISO 868
	+40°C (+104°F)	Shore D	66 ±3	-	ISO 868
Cathodic disbondment	+60°C (+140°F), 2d	mm	<6	≤8	EN 10290
Pull-off adhesion	+23°C (+73°F)	MPa	>16	>7	EN 10290
	+80°C (+176°F)	MPa	>3	-	EN 10290
Pull-off adhesion after thermal aging (100 d. 100°C (+212°F))		MPa	>17	-	EN 10290
Adhesion (knife test)	+23°C (+73°F)	mm	<1	<3	EN 10290
	+80°C (+176°F)	mm	<2	<5	EN 10290
Elongation at break		%	>15	>10	EN 10290

Ordering information and packaging

	Packaging	Content	
		Weight [kg]	app. volume (l)
Component A	Hobbok	35	25,5
	Barrel	245	175
Component B	Bucket	12	9,7
	Hobbok	32	26
	Barrel	225	183

Additional packaging sizes available on request.

Storage condition and packing

In its original packing and under adherence to the storage conditions, **DENSOLID®-FK2** can be stored for at least 12 months after the production date.
Storage temperature: Component A: +5°C to +30°C (+41°F to +86°F) Component B: +15°C to +30°C (+59°F to +86°F).
The product must be stored in a dry and frost free location.

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