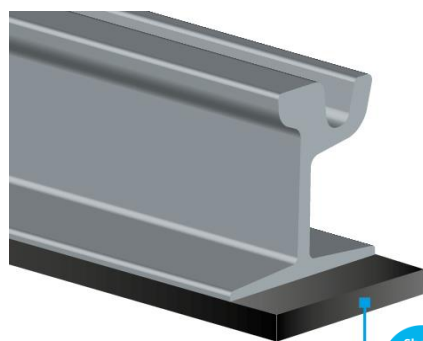


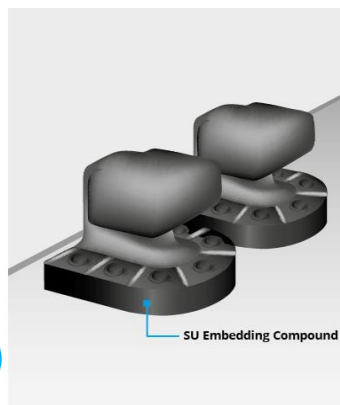
LIQUITOL[®]-SU 65

Product Information



SU Embedding Compound

Shore
hardness
A65



SU Embedding Compound

Special advantages:



Permanently elastic and vibration damping.



Easy to apply.



Tested according to VDV notice 6201.



Chemically and mechanically resistant.



For numerous fields of application e.g. rails and mooring bollards.

Elastic hardening, vibration damping pouring compound with medium shore hardness for rails and bollards.

DEKOTEC GmbH stands for experience, quality and reliability in the field of corrosion prevention and sealing technology. The success is based on the development of the Petrolatum-Tape which was already developed in 1927 as the first product worldwide for passive corrosion prevention of pipelines. We establish and guarantee the highest quality standards with technically trend-setting products. Research, development and production take place exclusively in Germany. Our employees are continuously implementing safe and individual solutions in a personal cooperation with the customer.

Product Description

LIQUITOL[®]-SU 65 consists of a pourable, two-component polyurethane-based

system that cures into an elastic material.

LIQUITOL[®]-SU 65 has short-term

resistance to diesel fuel, and is also frost- and road salt-resistant.

Product Usage

LIQUITOL[®]-SU 65 is used as an elastic and vibration-dampening embedding

compound for grooved rails and full web rails and bollards.

Typical Material Properties

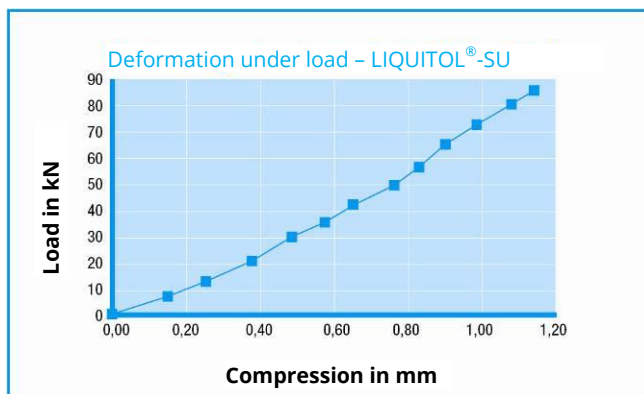
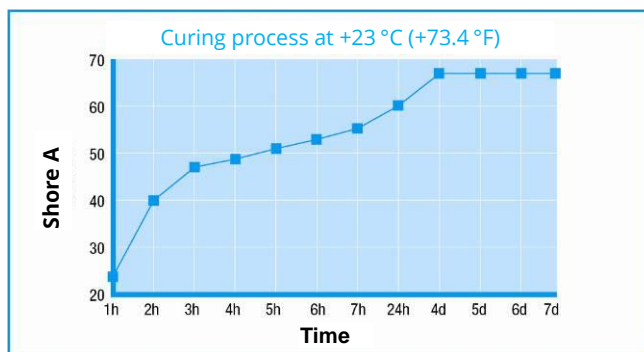
LIQUITOL[®]-SU 65 is characterized in particular by the following properties:

- Vibration-reducing
- Chemically and mechanically resistant
- Permanently elastic: in vibration testing, zero material damage had been observed after 5 million load cycles
- Long-term resistance to temperatures from -20 °C to +70 °C (-4 °F to +158 °F)
- Resistant to water, saline solution (10%), sodium hydroxide solution (5%) and engine oil (SAE 10 W 40)
- Electrically insulating
- Hardness testing test criterion within tolerance for "hard" according to VDV Notice 6201

Typical Technical Material Parameters

Pot life	4 min. (approx.)	
Density (cured)	0.78 kg/l (A+B component)	
Shore hardness A	65 ± 5	DIN 53 505
Tensile strength	3.5 N/mm ² (approx.)	DIN 53 455
Elongation after fracture	200% (approx.)	DIN 53 544
Rebound elasticity	40% (approx.)	DIN 53 512

Determination of the secant modulus between 0 and 50 kN using the load-deflection curve.
 Test specimen dimensions (1000 x 188 x 25) mm and emplaced Ri 60 grooved rail with a length of 1000 mm.
 Load rate 6 kN/min. with centred point of loading.



Product Application

Subsurface preparation

The subsurface may be slightly damp. Any oil or grease film present must be removed if permanent joining of the material to the contact area is desired. Dust and other soiling must be removed, as must water, ice or snow. An application of **LIQUITOL®-E Primer** can be used to improve the bond strength across a range of substrates.

Preparing the material

Mixing ratio A : B = 100 : 24 (weight), A : B = 100 : 13 (volume).

Ensure that component A has been stirred thoroughly through before working. Following this step, the entire contents of component B are added. The components must be carefully mixed using a slowly rotating mixer (max. 500 rpm) for about 60–70 seconds. Any material adhering to the sides must be cleaned off and mixed with the rest.

To ensure preparation is rapid and of a high quality, always use a 2-component dosing machine. The air and subsurface temperature should be between +5 °C (+32 °F) and +35 °C (+95 °F). The material's pot life also depends on the ambient temperature. At room temperature, a pot life of 4 minutes can be assumed (incl. time for premixing). The pot life decreases for higher temperatures. The material is tack-free after 2 hours and fully load-bearing after approx. 24 hours.

Ordering Information and Packaging

Product name	Container size	Order number	Packaging units
LIQUITOL®-SU 65	Set 7.44 kg (A+B)	on enquiry	Individual container, 29 sets/pallet
LIQUITOL®-SU 65	Set 153 kg (A+B)	on enquiry	1 tub A comp., 1 can B comp.

Usage 0.78 kg/l (approx.)

Storage

Store unopened product in original pack in a dry place at room temperature.

The material must not be exposed to frost or direct sunlight.

stored for at least 12 months from the date of manufacture.

Under these conditions, the material can be

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