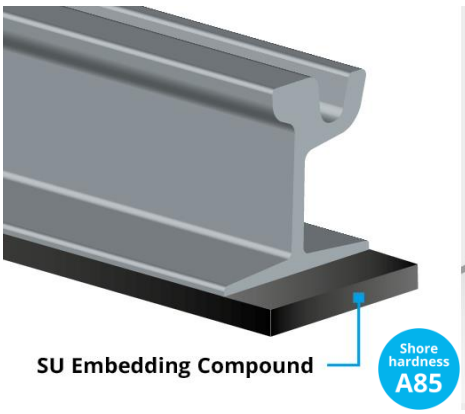
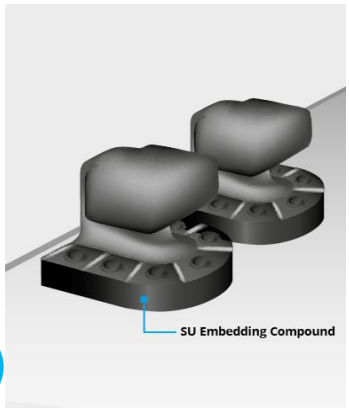
LIQUITOL®-SU 85

Product Information





Special advantages:

- Permanently hard-elastic.
- Easy to apply.
- VDV 6201 — 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 high 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 85 consists of a pourable, two-component polyurethane-based system that cures into an elastic material. **LIQUITOL®-SU 85** has short-term resistance to diesel fuel, and is also frost- and road salt-resistant.

Product Usage

LIQUITOL®-SU 85 is used as an elastic and vibration-dampening embedding compound for grooved rails and full web rails and bollards.

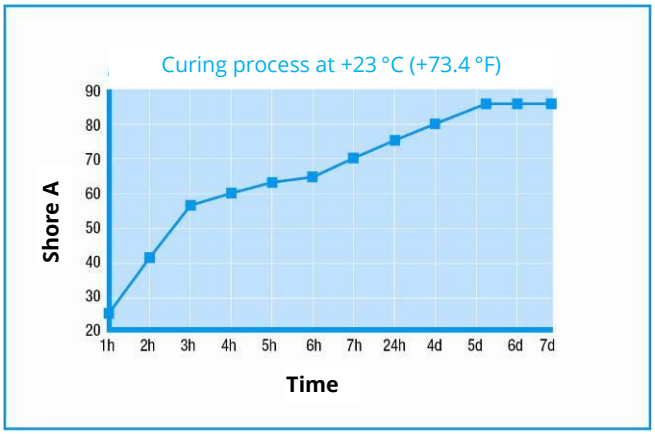
Typical Product Properties

LIQUITOL®-SU 85 is characterized by the following properties:

- Vibration-reducing
- Chemically and mechanically resistant
- Permanently elastic
- 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

Typical Technical Material Parameters

Pot life	4–5 min. (approx.)	–
Density (cured)	0.88 kg/l (A+B component)	
Shore hardness A	85 ± 5	DIN EN ISO 868
Tear strength	> 4.0 N/mm²	ISO R 527
Elongation after fracture	>100%	ISO R 527
Volume resistivity	≥ 2 x 10^7 Ω x cm	DIN IEC 93
Colour	Grey-black	–



Product Application

Subsurface preparation

The subsurface should be dry. Any oil or grease film present must be removed if permanent joining of the material to the contact area is desired.

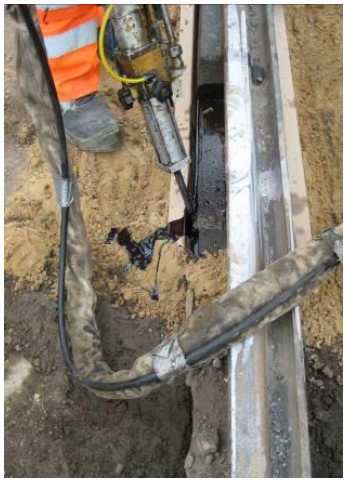
If the subsurface is damp, this could lead to foaming effects affecting the fresh compound. The embedding compound must not be poured under standing water. Dust and other soiling must be removed, as must water, ice or snow. An application of **LIQUITOL®-E Primer** can be used to improve bond strength on concrete and steel.

Preparing the material

Mixing ratio A : B = 100 : 40 (weight), A : B = 100 : 25 (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.



For rapid, high-quality preparation, a mechanical method is best, using 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 24 hours.

If it becomes necessary to scuff off the projecting edge of the embedding material to be flush with the rail footing, this needs to be done as soon as possible after embedding.

Ordering Information and Packaging

Product name	Container size	Order number	Packaging units
LIQUITOL®-SU 85	Set 7.10 kg (A+B)	on enquiry	Individual container, 26 sets/pallet
LIQUITOL®-SU 85	Set 183 kg (A+B)	on enquiry	1 tub A comp., 2 cans B comp.
Usage 0.88 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.

Under these conditions, the material can be stored for at least 12 months from the date of manufacture.

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