



Special Advantages:

- ✓ Optimum working viscosity.
- ✓ Homogeneous.
- ✓ Can be sanded.
- ⌚ Traffic flow restored quickly after 1-2 h, depending on weather.
- ✓ Very good pressure transfer.
- ✓ High degree of mechanical resistance.

Two-component polyurethane-based cold-poured compound for bedding sensor or induction loops into concrete or asphalt road surfaces.

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.

Product Description

DENSOLASTIC®-SV is a two-component polyurethane resin compound with a high final hardness (Shore hardness D, approx. 75). The colour of the compound is black. The material consistency is designed to enable homogeneous application without cavities.

One use of **DENSOLASTIC®-SV** is to fill slits in asphalt or concrete surfaces. Embedded in the sealing compound in the slits are (piezoelectric) sensors that are incorporated into the road surface for speed measurements (for example). **DENSOLASTIC®-SV** can be used both for

repairs to existing measuring sites and for the creation of new measuring locations. Prior use of the primer **DENSOLASTIC®-SV Primer** ensures perfect adhesion to the contact surfaces.

Typical Material Properties (at +21 °C/+69.8 °F)

Technical data	Unit	Value
Density (A+B, hardened)	kg/l	1.45 (approx.)
Colour	-	Black (anthracite), silver-grey available on request
Mixing ratio (A:B)	-	4:1 (parts by weight)
Pot life	Minutes	5-8
Curing time	Hours	24 (approx.)
Can bear traffic after	Minutes	60 (approx.)
Can be sanded after application	Minutes	60 (approx.)
Shore D (when set hard)	-	75 ±5
Water absorption (5 d at +23 °C/+73.4 °F and 5 d at +40 °C/+104 °F)	%	< 2.0% weight increase (by weight)
Max. temperature after mixing (150 g of compound)	°C/°F	+65 (+149)

Product Application

Preparations before application

The cross-section of the incisions (slits) used to lay sensor systems is normally 18/25 mm (W/D). The incisions must run parallel to each other. The walls of the incisions must be clean-cut.

Preparation of the walls

The walls must be clean and dry. Ideally, the incisions should be blown out using compressed air in order to remove any dust. Before applying the primer, the edges of the walls should be masked using masking tape or similar, to prevent soiling. Once matched to the system (see separate product information), the **DENSOLASTIC®-SV Primer** is applied to the walls, prepared as above, ensuring full coverage.

DENSOLASTIC®-SV Primer is used on bituminous walls, semi-rigid surfaces, concrete walls and metal walls. On metal walls (particularly stainless steel), special pre-treatment may be necessary. Any existing corrosion protection layer, etc. must be removed. Very smooth surfaces may have to be roughened, e.g. with sandpaper.

After air drying the primer (approx. 15–30 min.), the sealing compound can be applied.

Working the compound

Components A and B are mixed together with a special tool (e.g. drill with mixing blade Collomix WK 70) for 1–2 min. at a rotation speed of max. 500 rpm (in order to mix in as little air as possible). Ideally, component A will be stirred first beforehand.

Afterwards, the mixed material is poured immediately.



The surface temperature of the slit walls must be between +5 °C (+41 °F) and +40 °C (+104 °F).

Always take care to observe the dew point. Any rising air bubbles must be removed (e.g. by painting over with a brush, or by

briefly scorching with a gas burner) before the sealant solidifies.

The masking tape applied before primer application must be removed directly after pouring.

The solid compound can be sanded off after approx. 60 minutes following application (at approx. 23 °C/+73.4 °F).



After approx. 24 hours (at approx. +23 °C/+73.4 °F), the compound is tack-free and completely hardened. The pot life and the hardening time are temperature-dependent and decrease with rising temperatures.

Until hardened, ensure the material is well-protected from moisture.

Cleaning tools

Tools and working equipment can be cleaned using acetone. Already-hardened material can be removed mechanically.

Ordering Information and Packaging

DENSOLASTIC®-SV is delivered as a set with components A and B in a box.

The contents of components A and B correspond to the determined mixing ratio.

There are 48 sets (equal to 96 litres) packed on a pallet.

Product	Container size	Order number
DENSOLASTIC®-SV	2.0 l (A+B components)	102 02 260
DENSOLASTIC®-SV Primer (black)	1.0 l (one-component)	102 02 389

Storage

Tightly sealed in the original container. Avoid exposure to temperatures over +40 °C (+104 °F) and frost – in storage and on the building site.

Store the containers in a well-ventilated place and do not let the material get into the ground.

Under these conditions, **DENSOLASTIC®-SV** can be stored for at least 12 months from the date of manufacture.

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