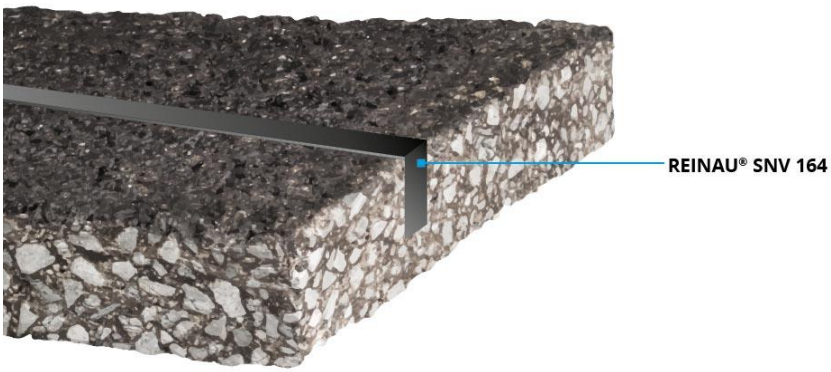
REINAU®-SNV 164 1.2

Product Information



Special Advantages:

- Fulfills the requirements of DIN EN 14188-1, type N2.
- Fulfills the requirements of the current TL/TP Fug-StB.
- Meets the requirements of Swiss Quality Regulation SNV 671 625 a, type KBH, as well as US Federal Specification SS-S-164.
- Excellent plasto-elastic properties.
- Can be used for changes in the joint gap width of up to 25%.

CE

REINAU®-SNV 164 is a hot-poured compound with a polymer-modified bitumen base.

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 Applications

REINAU®-SNV 164 is a type N2 joint sealing compound used to seal horizontal and slightly inclined joints in concrete and bituminous road surfaces.

Product Properties

Type	Plasto-elastic hot-poured compound
Base	Polymer-modified bitumen
Density	1.2 g/cm³ (approx.)
Pouring temperature	+160 to +180 °C (+320 to +356 °F) (approx.) – DO NOT overheat!
Colour	Black
Usage	1.2 kg (approx.) per litre of fill area
Primer on bitumen/concrete	REINAU®-Plastic Resin Primer (usage approx. 0.05 l/m²)

Product Application

All work must be carried out in accordance with the current **ZTV Fug-StB**.

Joint gap width

With normal (not fuel-resistant) joint sealing compounds, joints can be sealed up to a maximum width of one inch (25.4 mm).

Sealing depth

For hot-poured compounds, the sealing depth must be 1.5x the joint width or 12 mm, whichever is the greater.

Preconditions

The target road surface for filling and sealing work must be closed to traffic while the work is being carried out. All work must be carried out in dry weather and when the structural component has a surface temperature of over +5 °C (+41 °F). At temperatures between +2 and +5 °C (35.6 and +41 °F), work can be continued if appropriate additional precautions have been taken. The subsurface must be dry. Concrete must be at least 14 days old. The joint walls must be dust-free and must not contain any substances capable of acting as release agents. Ideally, the sealant pour should be carried out just before the road is opened to traffic.

Preparation of the joint gaps

If the joint is already filled, this must be removed down to the planned pouring depth without damaging the joint walls. Old jointing compound residue does not normally impair the durability of the new compound, assuming the substances are not incompatible. A brushing machine should be used for cleaning. Pressure-driven hot air blowers should be used if artificial drying or pre-warming of the fill area is necessary.

Installation of the liner

The liner substance must be installed (without causing damage) at the depth necessary for the planned pouring depth.

Primer

REINAU®-Plastic Resin Primer is applied using a brush or sprayer and must form a film that completely covers the walls of the fill area. Excess liquid must not be permitted to collect on the liner substance (if necessary, apply primer first and then install the liner substance). The primer must be completely dry before applying the jointing compound. The drying time is dependent on ambient conditions and ranges from 30 minutes to a value several times larger. In the event of a long waiting time before applying the primer and the compound, the joints may require careful cleaning again.

Use of **REINAU®-Plastic Resin Primer** is generally recommended.

Heating

The sealing compound must be melted in a double-walled heating kettle fitted with a stirrer, cover and an indirect heating element. The heating process should be carried out slowly, with the first filling reaching approx. 1/3 of the total volume. Following this, more material can be added to the liquid compound.

The melting temperature must be maintained while stirring continuously. The temperature of the jointing compound must be controlled thermostatically and monitored continuously.

In so doing, ensure that the prescribed pouring temperature of 160–180 °C (+320 to +356 °F) is not exceeded at any time and anywhere in the compound, as separation and/or disintegration of the sealing compound can otherwise occur. This can render the material unusable. If the compound cannot be worked on the same day, the kettle should be emptied completely.

Once cooled, **REINAU®-SNV 164** compound can be re-melted no more than twice.

Joint filling

Machines for hot pouring should be equipped with a feed pump. Normally, the joint fill area is filled mechanically in a single step. Depending on the filling cross-section, it is also possible to pour in two steps – although the surface of the first layer must not be soiled. Manual pouring is possible in exceptional cases if the structural components are difficult to access or if the work involves small jobs in the overall project.

Joints must be filled without air pockets. Projections must be scuffed off, taking care not to impair the bonding to the joint walls. Excess material must be removed before the material hardens.

Ordering Information and Packaging

Container type*	Order number	Contents
Disposable metal container	100 72 532	32 kg
Twinset disposable tear-off container	100 72 533	2 x 16 kg with divider
Siliconizzed boxes	101 20 746	28 kg
* Product can also be ordered in boxes		

Storage/Container Disposal

Store the container upright in a dry place that is not exposed to direct sunlight. **REINAU®-SNV 164** can be stored almost indefinitely under these conditions.

The disposal of empty (no drips, scraped out, no powder) white or metal sheet containers is via **KBS**; emptied plastic and paper/card containers are disposed of via **Interseroh**.

Health and Safety

The applicable regulations must be observed when heating and working with bituminous substances. In particular, avoid breathing in the fumes resulting from heating such substances. When working with **REINAU®-Plastic Resin Primer**, observe all of the precautionary measures required for the handling of solvent-based primer compounds. Always read and observe the hazard warnings and safety instructions on the containers.
For further information, please consult the safety data sheets.

Typical technical material parameters for REINAU®-SNV 164, type N2

Results obtained from testing to EN 14188-1, table B.1

Property	Test procedure	Unit	Format for results	Value or specification
Softening point	EN 1427	°C/°F	MDV	+90 to +105 (+194 to +221)
Density at +25 °C (+77 °F)	EN 13880-1	g/cm³	MDV	1.15–1.25
Cone penetration	EN 13880-2	0.1 mm	MDV	50–90
Ball penetration and elastic recovery	EN 13880-3	%	MDV	30–50
Thermal stability, cone penetration	EN 13880-4	0.1	MLV	40–100
Thermal stability, elastic recovery	EN 13880-4	%	MLV	≤ 60
Flow length, initial	EN 13880-5	mm	MLV	≤ 3
Flow length after thermal load	EN 13880-5	mm	MLV	≤ 3
Resistance to fuel storage Change in mass	EN 13880-8	%	MLV	NPD
Compatibility with asphalt pavements	EN 13880-9	–	Passed	Passed
Adhesion and elasticity – Tension – Adhesion and elasticity	EN 13880-13	N/mm² -20 °C (-4 °F)	MLV Passed	≤ 0.75 Passed
Adhesion and elasticity – Tension – Adhesion and elasticity	EN 13880-10	N/mm² +/- 0 °C (+32 °F)	MLV Passed	≤ 0.48 Passed
Adhesion and elasticity (Cold temperature equipment) – Tension – Adhesion and elasticity	EN 13880-7	N/mm² +25 (-20 °C) 77 (-4 °F)	MLV Passed	NPD
MDV: Manufacturer's Declared Value, with a corresponding permitted tolerance MLV: Manufacturer's Limiting Value, in accordance with the requirements of the EU standard NPD: No Performance Determined				

DENSO GmbH
P.O. Box 150120 | 51344 Leverkusen | Germany
Phone: +49 214 2602-0 | Fax: +49 214 2602-217
www.denso.de | info@denso.de

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