If a subgrade with an EV2 of > 120 MN/m2 (up to load class C 250) or > 180 MN/m2 Installation Guidelines

BIRCO

The concrete grades indicated are minimum values. Requirements related to the location of installation, such as resistance to freeze—thaw with de—icing salts, must be taken into account by choosing the appropriate concrete grade in accordance with DIN 1045—2 or DIN EN 206—1 respectively. (up to load class D 400) can not be maintained, an additional concrete base must be ering conside

BIRCO recon BIRCO recommends fully sealing the channel joints, so as to prevent damage throu freeze—thaw conditions (see Jointing Information).

It must be ensured that installation is perforn technology aspects. ned expertly, taking into account concrete

All adjoining pavement surfaces must run permanently at a level of some 3 to 5 mm higher than the upper edge of the channel. In order to achieve this, we recommend laying the first two to three rows of block paving or paving slabs in the mortar bed. Because there is no concrete encasing, the surfacing can run right up to the channel. In the case of block paving or paving slabs being used as the adjoining surfacing, a durable sealing joint of some 10 mm must be established between the channel and the surfacing. The joints between the first two to three rows of the block paving or paving slabs must be sealed durably in a tight and impermeable manner. It must be ensured that horizontal forces, which may result from the expansion or shifting of the pavement, have no impact on the two to three rows of pavement set in the mortar bed. In the case

Expansion joints in the construction parts adjoining the channel must be planned on the basis of engineering considerations. BIRCO recommends arranging expansion joints parallel to the channel, at a distance of some 0.2 to 0.5 metres from the channel line. Expansion joints running transverse to the channel line must be arranged so that they run through a channel joint. We recommend arranging them every 8 to 12 metres (in accordance with DIN 18318, valid edition). The expansion joints (e.g. PE foam sheets) must cover the total cross—sectional area of the channel, as well as the full area of the concrete base and

Jointing Information

Sealing of the channel joint safety seam with SF—Connect after the

Areas of application: Adhesion of concrete, clinker, stapolyester (GFK), PVC, acrylic, polystyrene, glass, wood.

Coated bases must be inspected in advance for adhesion and compatibility. The hardening period depends on the temperature and moisture. Higher temperatures reduce the drying period time. SF—Connect does not contain solvents, isocyanate and silicones and does not require special warning labelling. Prior to beginning the work, it is necessary to make oneself familiar with the handling and safety instructions by reading the material safety

Instructions:

Use the industrial grouting pistol (iten channel joint / safety seam. n code 608500) to apply the

- 2. Prior to applying the se Prior to applying the sealant to the safety joint, clean the channel end / safety sea and remove separating agents, dust, soiling, oil and other residues that could inhibit
- Wear protective gloves and eyewear when conducting the work. Insert tubular bag (600 ml) into the industrial grouting gun.

- 5. Inject SF—Connect.6. Then smooth out the channel joint / safety seam surface with a jointer or putty knife that has been dipped in a soap solution.7. Allow material residue to dry. Dried residue can be disposed of as residual waste.

Bolt Connection Information:

For screw fastening of the gratings, torque moments are to be set at M12 = 60 Nm, M16 = 100 Nm. The bolts must be re—tightened at regular intervals.

Additional regulations and guidelines

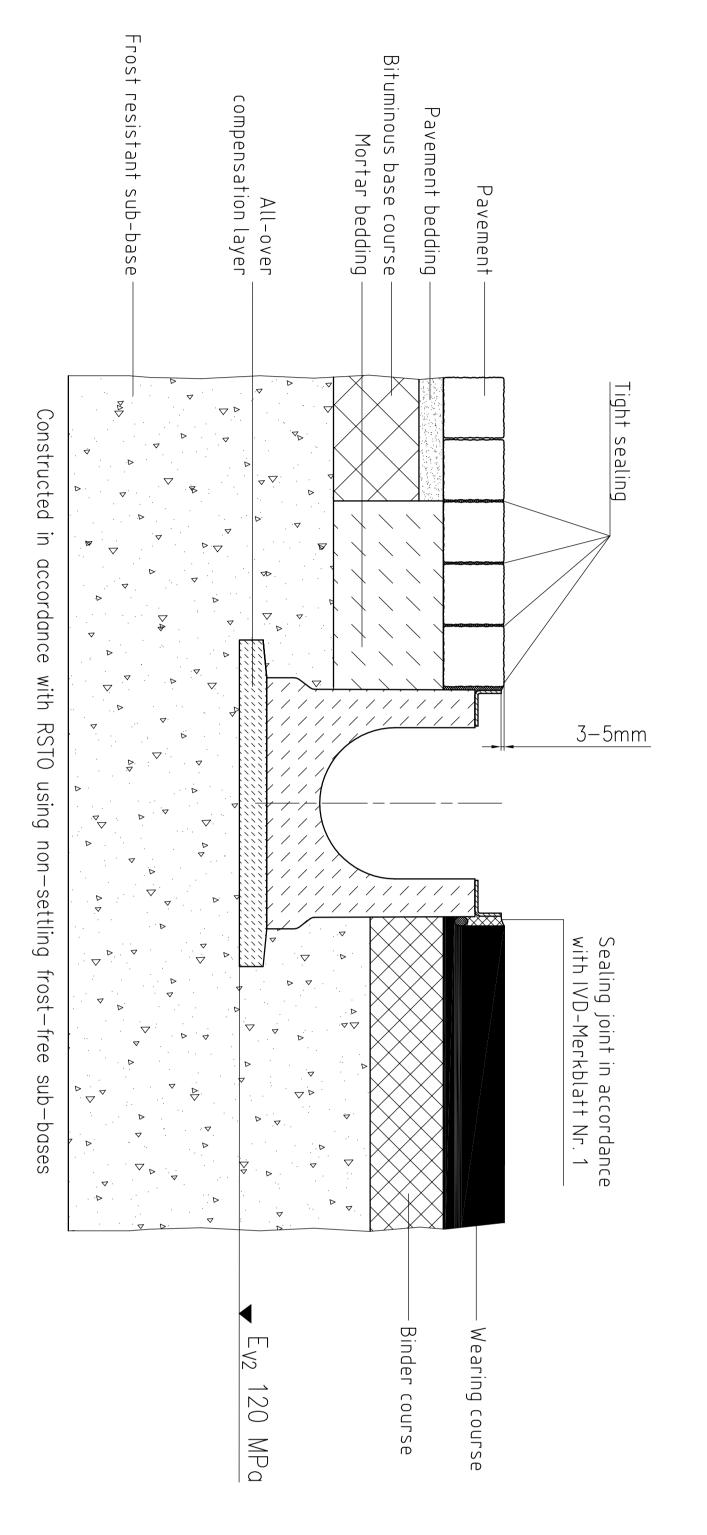
Installation must comply with the latest regulations and guidelines such as ZIVI, ZIV concrete, ZTV bit and RSTO.

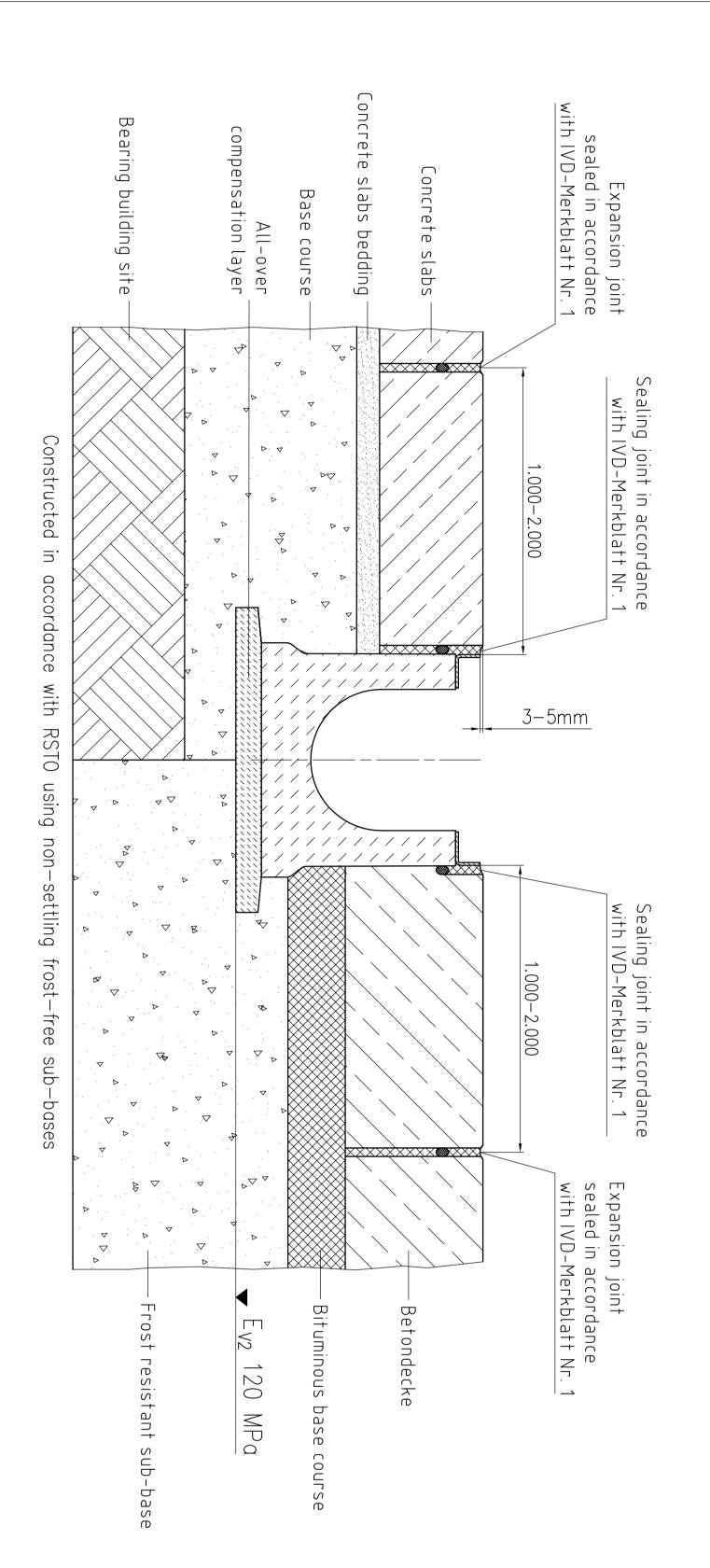
+ Construction in accordance with the Construction Tendering and Contract Regulations (VOB) Part C, DIN 18318 Transport Route Construction.

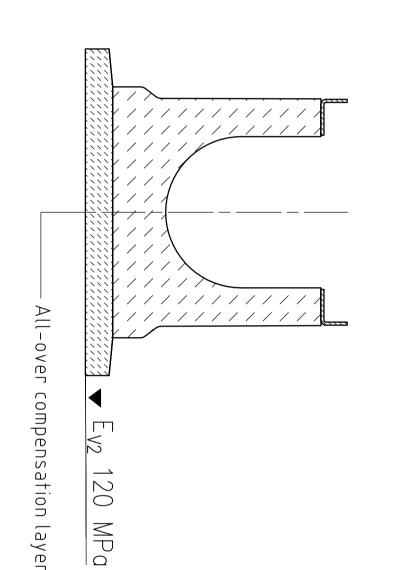
+ Additional technical regulations and guidelines for pavement surfaces in road construction (ZTVT—StB) and ZTV Asphalt.

+ Additional technical regulations and guidelines for ground work in road construction cal particularities have to be ex to be examined and taken into account by the planner. with the latest regulations and guidelines such as ZTVT, ZTV

- Guidelines for the standardisation of the Preparation of the ATV DIN 18299 perform Construction Work of all Types. (ZTVE-StB). of the pavement of public thoroughfares (RSTO). performance description, General Regulations for
- ce with DIN EN 1433 "Drai

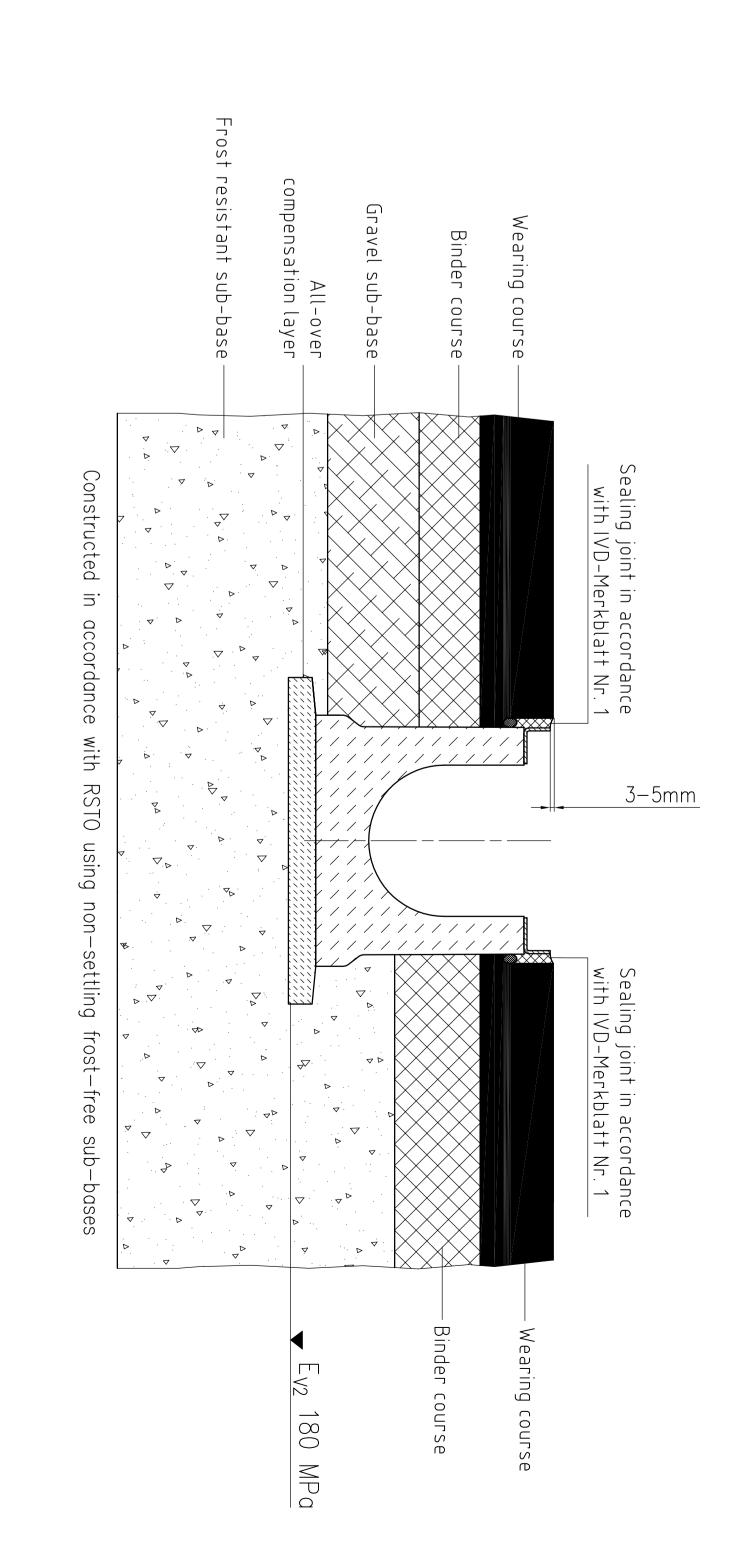


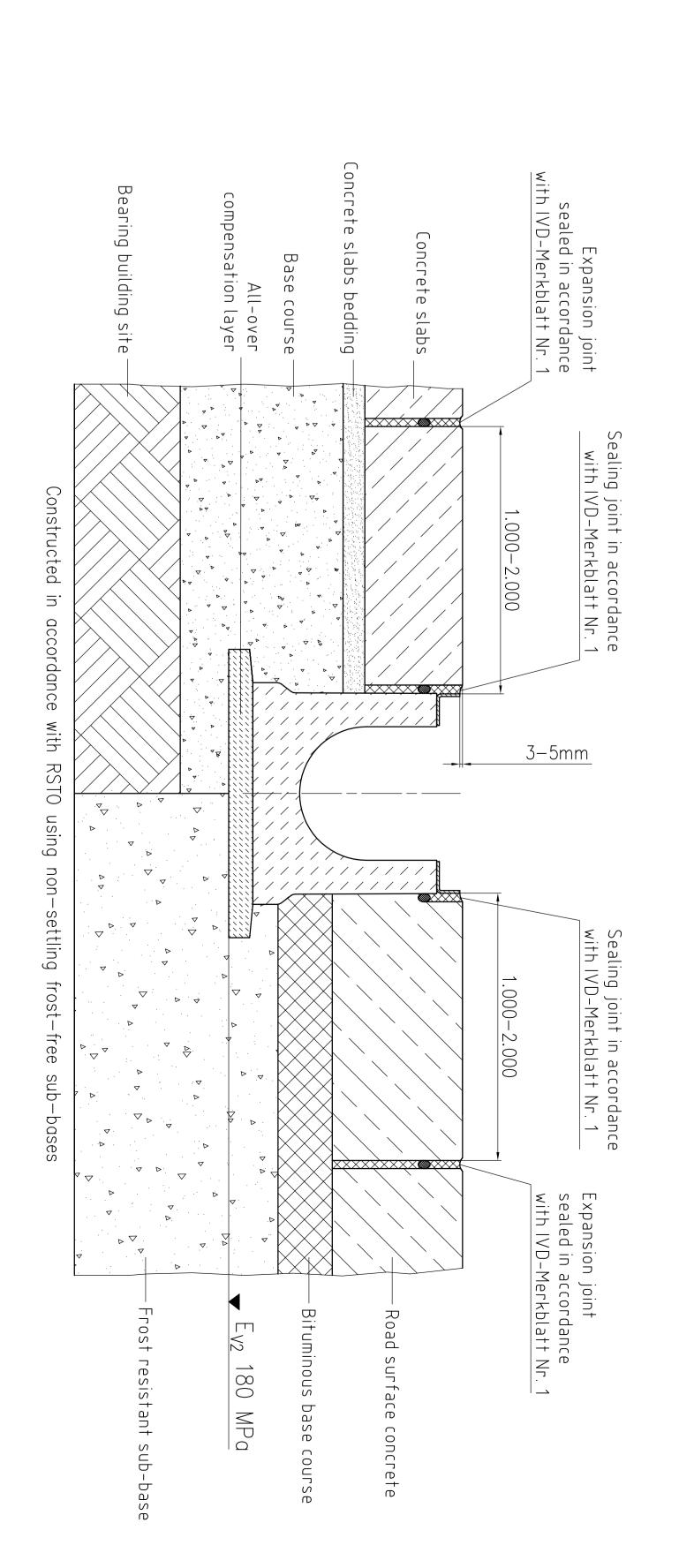


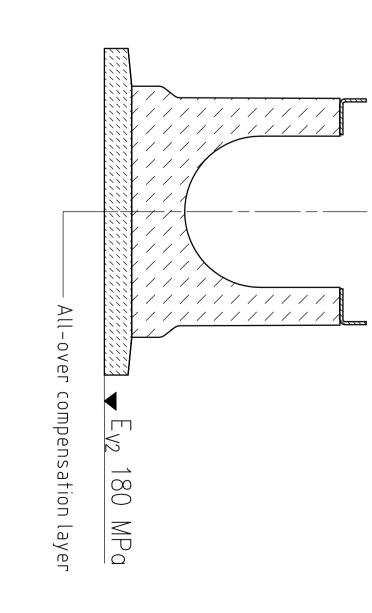


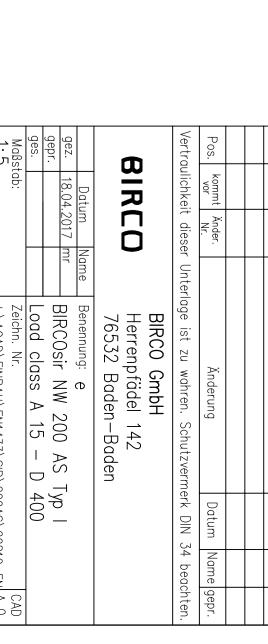
BIRCO SIR NW class D 400

EXCEPT for load class E 600 and F 900 and for heavy—duty load areas For example Ports, Freight company premises, Industrial halls and trade exposed to fair centres frequent use









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