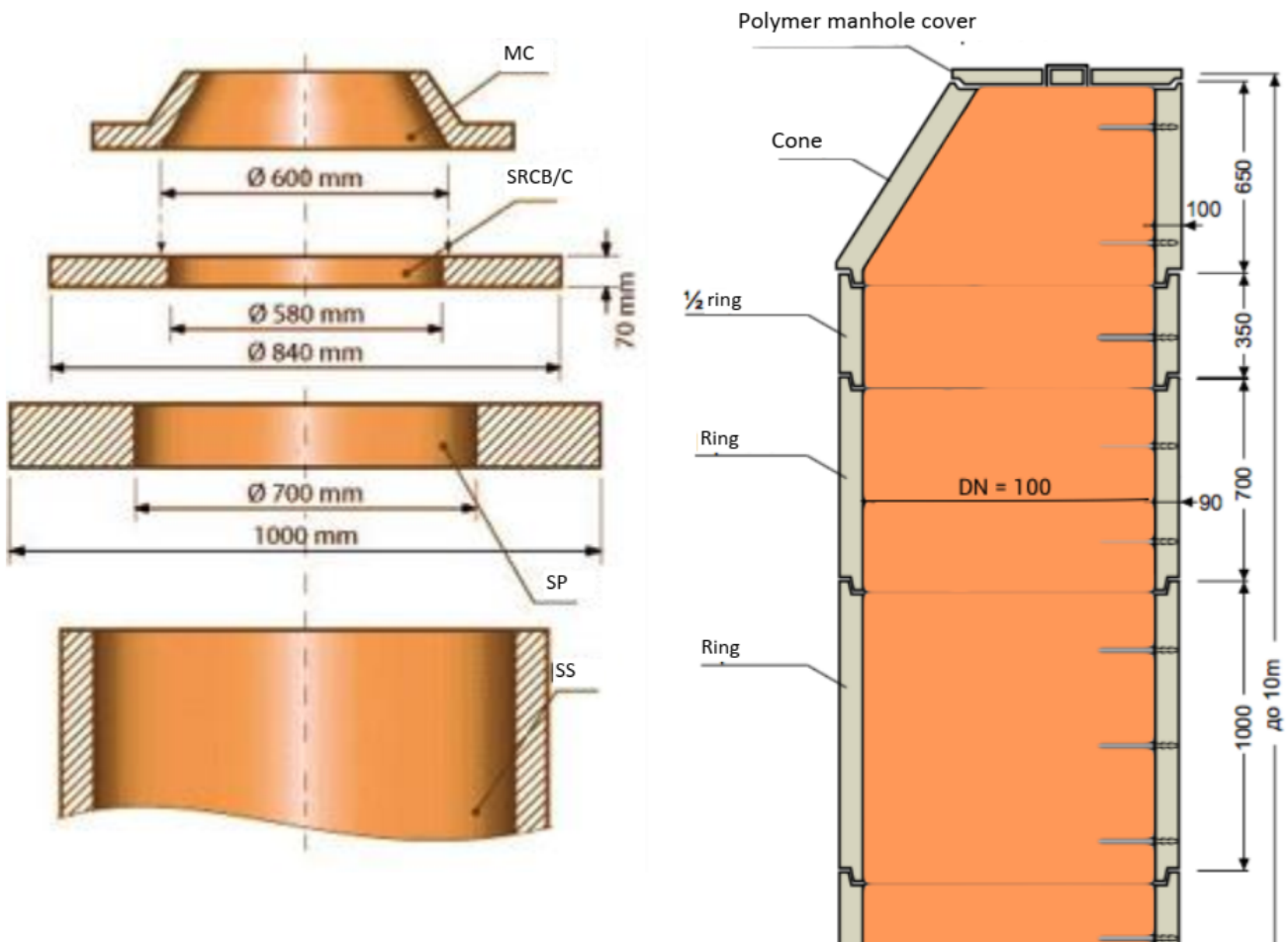


Instructions for manhole covers installation

The frames of the manhole covers are placed on concrete or reinforced concrete structures /base/. **The main purpose of the support reinforced concrete base/cone (SRCB/C)** is to redistribute the load in order to prevent breakdown of the manhole cover. The support reinforced concrete base/cone reduces the load on the cover 10 /ten/ times.

The diagram below shows the installation sequence of the support base/cone (SRCB/C). A ring /frame/ and the cover are placed on the support base/cone SRCB/C.



Please NOTE!

The ring with the cover is placed on the support reinforced concrete base/cone (SRCB/C), and not on the plate covering the shaft.

1. Do not place the cover ring /frame/ directly onto the shaft plate, as well as onto a brick masonry base. Due to the constant load and following aggressive environmental conditions the bricks (masonry) are destroyed under the pressure from the cover ring and the cover along with the ring drops below the road surface level. Due to its incorrect position /incorrect support area/ the ring flange breaks and subsequently begins the destruction of the shaft plate and leads to a complete overhaul of the sewer. Subsequent repairs create difficulties for road users, cost a lot of money and can lead to accidents.



2. The manhole cover must be installed level with the road surface. In order to avoid impact loading and damage to vehicles no element of the manhole should be above the surface.

The covers of Reco Production are mandatory opened simultaneously on both sides.

Reko Production polymer products have the following expansion characteristics:

up to $\pm 0.5\%$ at temperatures up to $35\text{ }^{\circ}\text{C}$

up to $\pm 1.0\%$ at temperatures above $35\text{ }^{\circ}\text{C}$

3. The tilting of the manhole cover during its installation is not allowed. This will lead to improper lowering and is the basis for the formation of unevenness that leads to the destruction of the cover and will cause damage to vehicles.
4. When installing manhole covers, only certified support bases/cones (SRCB/C), manufactured in factory conditions, according to EN standard, are to be used.

Diagram designations:

MC - manhole cover

SRCB/C - support reinforced concrete base/cone

SP - shaft plate

SS - sewer shaft

Exceptions are the manhole covers type A15 (load of maximum 1.5 t.), as they can be installed directly on the shaft plate. The ring/frame of the manhole shaft must be placed with its entire surface on the support base/cone, no protruding parts are allowed.

All manhole shafts of Reco Production Ltd. comply with the dimensions of standard EN124/BDS and are mounted on a support base/cone SRCB/C without any clearance.

