



## SERIUS GRIP

adjustable design

The shape and syntetic road surface box



General:

Adjustable surface box improved by Serius .

Due to continuous development and the needs for the installation of the road surface box - Serius has made the following new development on the adjustable road surface box.

All models Grip (adjustable) now have a tooth on the lower part of the support neck. The formation of the tooth achieves a larger contact surface and an extension of the vertical transfer surface in relation to the asphalt layer.

The support neck is a toothed connected in the asphalt - a solid and durable power transmission is thus made. The vertical force is transmitted evenly into the asphalt. Horizontal Sliding - Pull forces are also absorbed by the toothed -reinforced-extended neck. A crack or fissuring through which water can penetrate and freeze in winter - at the transition to asphalt - is therefore completely excluded - If the asphalt is not below 160 ° C hot. But in some circumstance- Serius grip can also

Installed in asphalt temperature as low as 120° C

The installation of the SERIUS road surface boxes does not differ from the installation of the grey cast iron surface boxes except for the difference that it is no longer necessary to tamp them when installing the surface box neck. This eliminates errors when installing a road surface box - cavities are avoided. Faster installation is the result.

How to install the new SERIUS GRIP surface box ?

1. Installation in the base course and preparation for the subsequent wearing course.

The surface box is calibrated, aligned and placed in the ballast layer.

Spray lid with release agent

Measure the surface box again and mark where the surface box was installed, depending on the construction site on the roadside - used for later finding the surface box.

Then the surface box is overbuilt with the asphalt base course with asphalt paver 3-5 cm.

Then free the box again and pull the inner part out to the level specified by the asphalt paver. Gearing must be plan with the height specified by the asphalt paver.

Press in with your foot and then compact it in.

It is important to ensure that there are no foreign objects on the edge of the surface box and lid, otherwise the surface box will be pressed under the finished level of the base layer.

The surface box is now firmly in the base layer and has already interlocked with this.

So it does not matter at what time later the surface course is applied. The surface box does not have to be rattled and the road can be temporarily released for traffic without annoying projections.

## 2. Paving of the surface course

Before laying the surface course, the inner part of the surface box must be ripped out of the base layer again.

Pull out the inner part of the surface box until it is 2-3 cm above the level of the asphalt paver.

Spray lid with release agent

After that overbuilt the surface box - head from the asphalt paver 2-3 cm can be done.

Prior to rolling/compacting in the base layer, bring the surface box to the level that the tooth is back to the level set prior by the asphalt paver.

Push in again with the foot until the tooth has penetrated into the asphalt.

This is followed by rolling in and compacting

Finished.

The surface box is now firmly interlocked in the surface asphalt.

Cracking and gap formation are completely excluded.

For removing the inner surface box, the Serious program provides a removal tool.

To be seen on the internet.

[www.Serius-strassenkappen.de](http://www.Serius-strassenkappen.de)