

Protection against Terrorist Truck Attacks

Protection against terrorism at public events is a must for every community. Concrete blocks are often used but offer no proven reliable protection, equally blocks are difficult to integrate into the cityscape without disturbing the charm of the location. The perfect solution is ComProtect's deep mounted modular system PSK12 with removable bollards and traversable road caps.

To protect against terrorist truck attacks, community administrations and operators of critical infrastructures are forced to take precautions to ensure safety and security to the public. The measures should offer sufficient protection, without effecting functionality and quality.

ComProtect offers the low depth mounted modular PSK12 system, which can be ideally integrated into public spaces without compromising its functionality. The PSK12 system consists of expandable precast concrete elements with insertable safety bollards.

The PSK12 system offers protection against trespassing of vehicles with a total weight of 7.2t and a speed of up to 80 km/h. The system is certified in accordance with the American ASTM F2656 and to the international standard IWA 14-1: 2013. The PSK12 system is patented.

The removable bollard system provides individual and customized options to secure public spaces and objects. The 90 cm high bollards are made of solid steel. If required, the bollards can be set or removed quickly and easily. When removed, the bollard sleeves can be covered with traversable road caps (D400) approved for road traffic. The PSK12 system is also suitable to close lanes temporarily, and if the bollards are not used at one location to be moved to other peripheries if required.



Setting the PSK12 system concrete segments

The PSK12 system is a low depth mounted modular system. It requires an installation depth of only 60 cm. The great advantage is existing supply lines remain untouched and the offset surface enables a freely selectable road surface of approx. 15 cm to be applied. Exchangeable covers allow the system to blend in harmoniously with the cityscape. The covers can be delivered separately in any design and thus enable e.g., an event-related integration of the PSK12 system.



PSK12 System Verification Crash Test

The individual concrete segments of the PSK12 system can be removed non-destructively at any time. If work on the infrastructures located under the PSK12 system is required, e.g., such as adding / removing supply lines, the individual segments of the system can be removed using the built-in wave anchors, likewise reinserted after the work is completed with very little effort and complexity.

The PSK12 system is a static safety and security system. It does not contain any moving parts nor electrical or hydraulic components. The system is absolutely maintenance-free and therefore without following expensive maintenance contract costs. *ComProtect's aim with the PSK12 system is to ensure safety in public spaces without impairing its attractiveness, quality and function.*



Connecting the concrete segments with steel anchor

The precast PSK12 concrete segments are delivered, fully assembled, and placed loosely in the prepared construction pit. The concrete segments are connected by using the specially designed steel anchors. This method eliminates timely on-site concrete work and therefore a quick reinstatement to use the facilities again.

ComProtect GmbH

Reichsapfelstr. 8 – 65201 Wiesbaden

E-Mail: info@comprotect.eu / Phone: +49 611 23 86 9886 / www.comprotect.eu