FLEXOTOP™
Safety Surfacing Solutions

FLEXOTOP™ ECO SUB-BASES

4/2020

Sub-bases

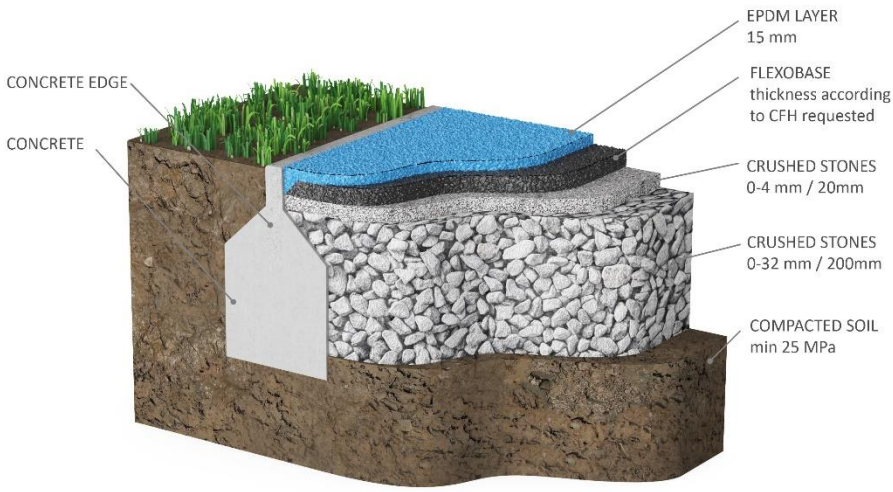
FLEXOTOP™ ECO may be installed on both bound and unbound sub-bases. However, specific requirements apply in both cases to avoid drainage problems or permanent deformation.
The requirements for the various sub-base types that may be used are detailed below.

Crushed stones

Generally speaking, the whole area of the base must be 100% self-draining and the base compressed to prevent any further settlement. The base consists of a **compacted structural layer (min 35 MPa)** with **crushed stones 0 – 32 mm in 200 mm thickness** and **crushed stones of 0 – 4 mm fraction in 20 mm**. This structural layer is laid on compacted soil **(min 25 MPa). (The depth depends on area where sub base is made, in area with ground water and severe frost subbase must be thicker)**

The following materials are unsuitable and would not be fit for purpose: slag, clay, recycled materials or materials with lower water permeability and more prone to icing.
The minimum thickness of **FLEXOTOP™ ECO** we recommend for installation with a crushed stones system is 40 mm.

DETAIL OF SUBBASE FOR FLEXOTOP™ ECO
CRUSHED STONES



KOMPAN
Let's play

Kompan, Czech Republic, s.r.o.
Vlastimila Pecha 1267/6
627 00 Brno-Cernovice
Czech Republic

FLEXOTOP™
Safety Surfacing Solutions

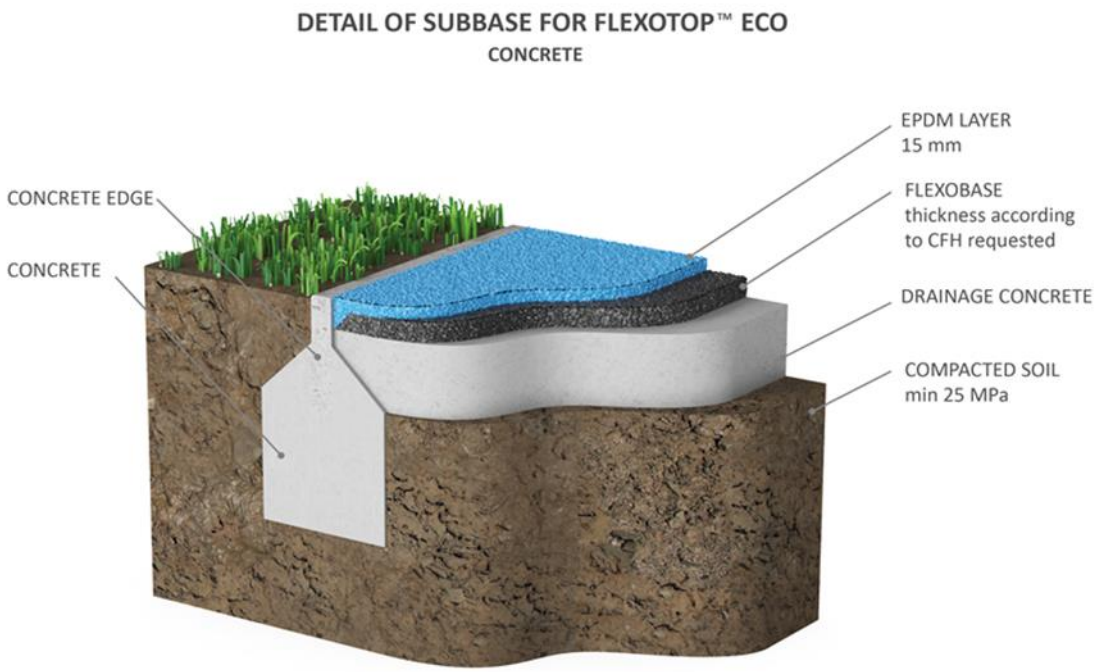
Concrete and Asphalt

Installing **FLEXOTOP™ ECO** on a sub-base such as drainage concrete, asphalt, paving slabs or similar, requires the surface to be clean, unbroken, and firm. If drainage system is not used than surface must be descending gradient that leads surface water away **(slope 1 %)**.

An incorrect descending gradient could result in large puddles in the finished area as well as damage during winter if water cannot run off when frost occurs. When **FLEXOTOP™ ECO** is installed on top of an old bound sub-base, using a primer is recommended.

When only installing a **10 - 15 mm EPDM layer**, a structural layer such as concrete or asphalt is the only sub base permissible to avoid deformation.

The concrete and asphalt sub-bases must be completed at least **21 days** prior to the **FLEXOTOP™ ECO** surface being laid, to avoid problems of humidity or the presence of flux oils. They must also be dust free to assure good adhesion of the binder and base layer.

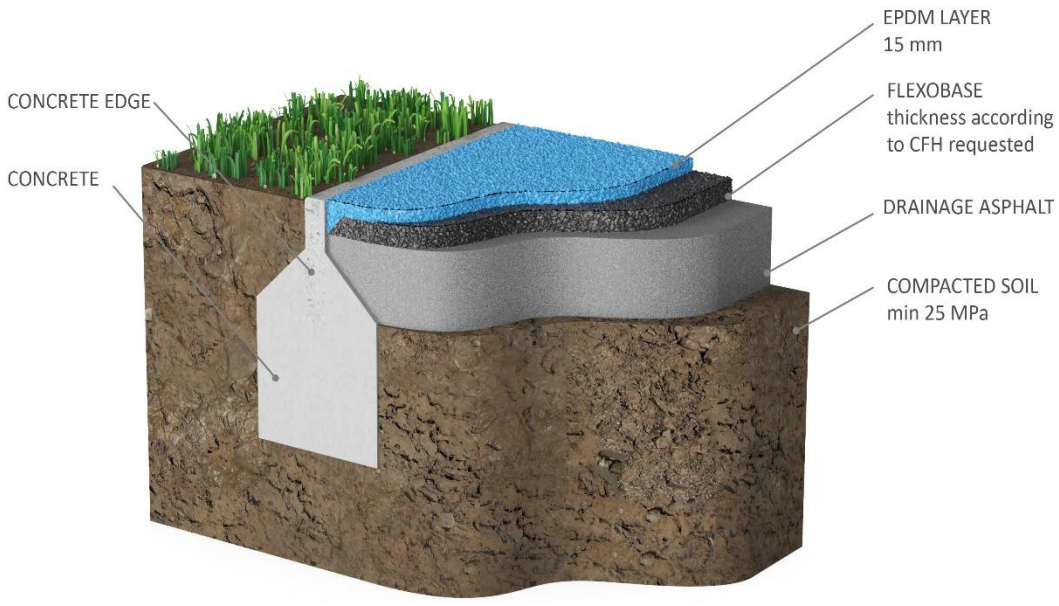


KOMPAN
Let's play

Kompan, Czech Republic, s.r.o.
Vlastimila Pecha 1267/6
627 00 Brno-Cernovice
Czech Republic

DETAIL OF SUBBASE FOR FLEXOTOP™ ECO

ASPHALT



We fully recommend finishing FLEXOBASE on the 45° around the edge. Thanks to it EPDM layer is thicker in this area. This helps to avoid separation from the edge. Do not forget priming the edge before the EPDM layer is applied.

Manhole covers or inspection hatches below the surface

If the area contains manhole covers, inspection hatches or other fittings that may need to be accessed after installation, it is advisable to fit an access cover in the rubber. If the safety zone of an area furnished with play equipment must be accessed, marking any underlying covers with a circle or other mark is recommended to ensure the rubber can easily be cut for access and easily repaired afterwards with a new shape of the same colour.

Installing FLEXOTOP™ ECO with sub – base types which have not been approved or are not as indicated in this data sheet will compromise the warranty.

KOMPAN Let's play

Kompan, Czech Republic, s.r.o.
Vlastimila Pecha 1267/6
627 00 Brno-Cernovice
Czech Republic