



«*Carpet Stones*»

A pavement system that allows you to forgo the construction of a storm canalisation system and of the collection of storm water system.

A new system approach in the arrangement of the elements for laying (paving) the sidewalks and roads, the arrangement of the surrounding territory, and of the landscape design.

“Carpet stones” are paving elements for garden alleys and sidewalks made based on a patent that is in compliance of a licensed agreement with the company CONCRETE TECH B.V. (Holland).

- ✘ “Carpet stones” consist of separate elements.
- ✘ The elements are produced in a way that it is possible to easily combine them and work with them, as well as to achieve the laying out of homogeneous pavement.
- ✘ The elements are produced in convenient sizes. This is one of the main advantages of the new system that allows experienced professionals and anyone willing to improve the appearance of their residential yard, and easily and quickly to create paved surfaces.
- ✘ The resulted paved surfaces remind of old cobblestone roads. A sidewalk, an alley in the garden, a backyard, a road, a square, a café, a garage, an industrial space – with the help of this system all of these can be easily transformed into cosy and pleasant working spaces or places for relaxation..
- ✘ “Carpet stones” allow for the use of different colour combinations, which provides great possibilities to express various designer ideas.



ELEMENTS

Freedom of a designer thought

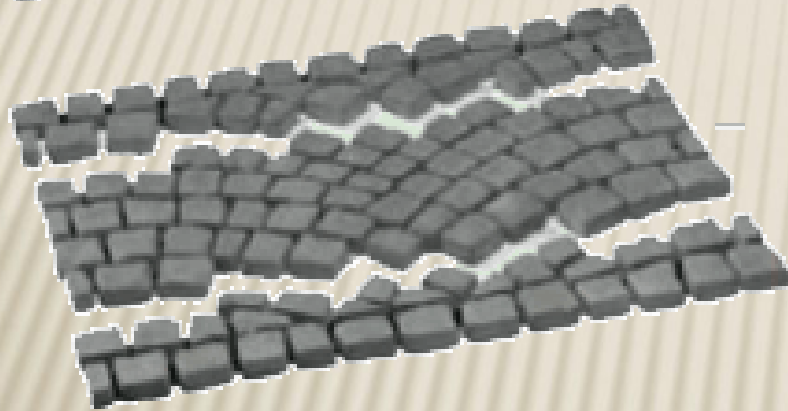
- ✘ All elements of “carpet stones” are connected with each other using a polymer net. This net ensures the flexibility and stability of the carpet. It also allows to divide (to cut) the layers into smaller segments, which significantly increases the variety of possible ornaments, based on various patterns, as well as colours.
- ✘ The variety of layer configurations provides rich opportunities for implementation of designer ideas.
- ✘ The basic types of layer ornaments allow to arrange sidewalk tiles (block stones) in round, curved, fan-shaped or rectilinear patterns.
- ✘ The entire system ensures waterproof quality based on German testing A 138 ATV (surface cleaning).



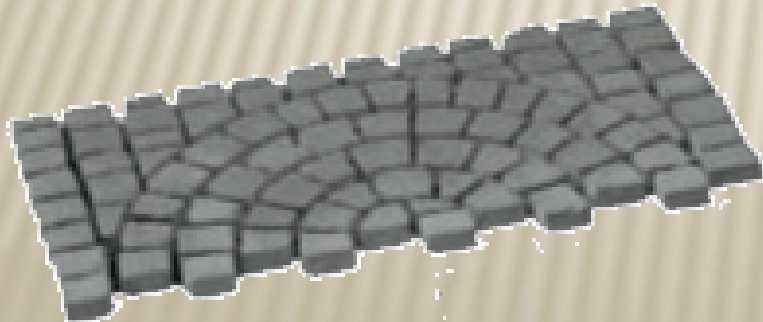
ELEMENTS



- E41 rectilinear layer



- E43 start and finish of the fan-shaped layer
- E42 fan-shaped layer
- E43 start and finish of the fan-shaped layer

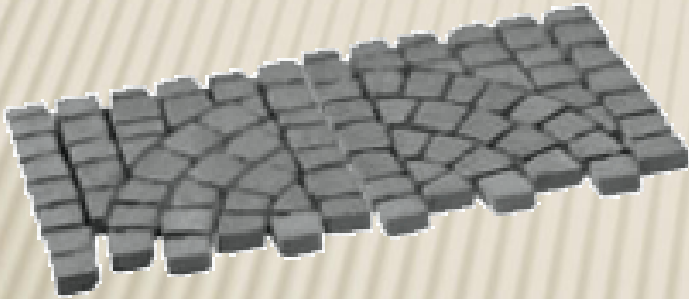


- E44 “half-round in a rectangular”

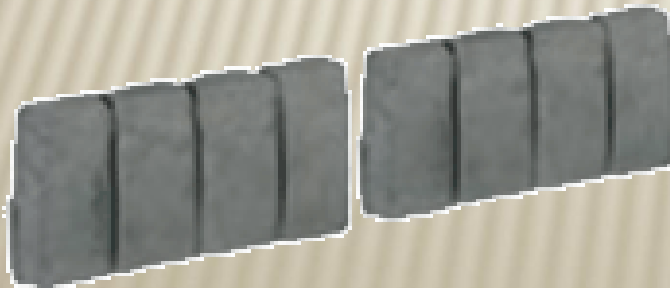
ELEMENTS



- E45 “segments of a circle layer”

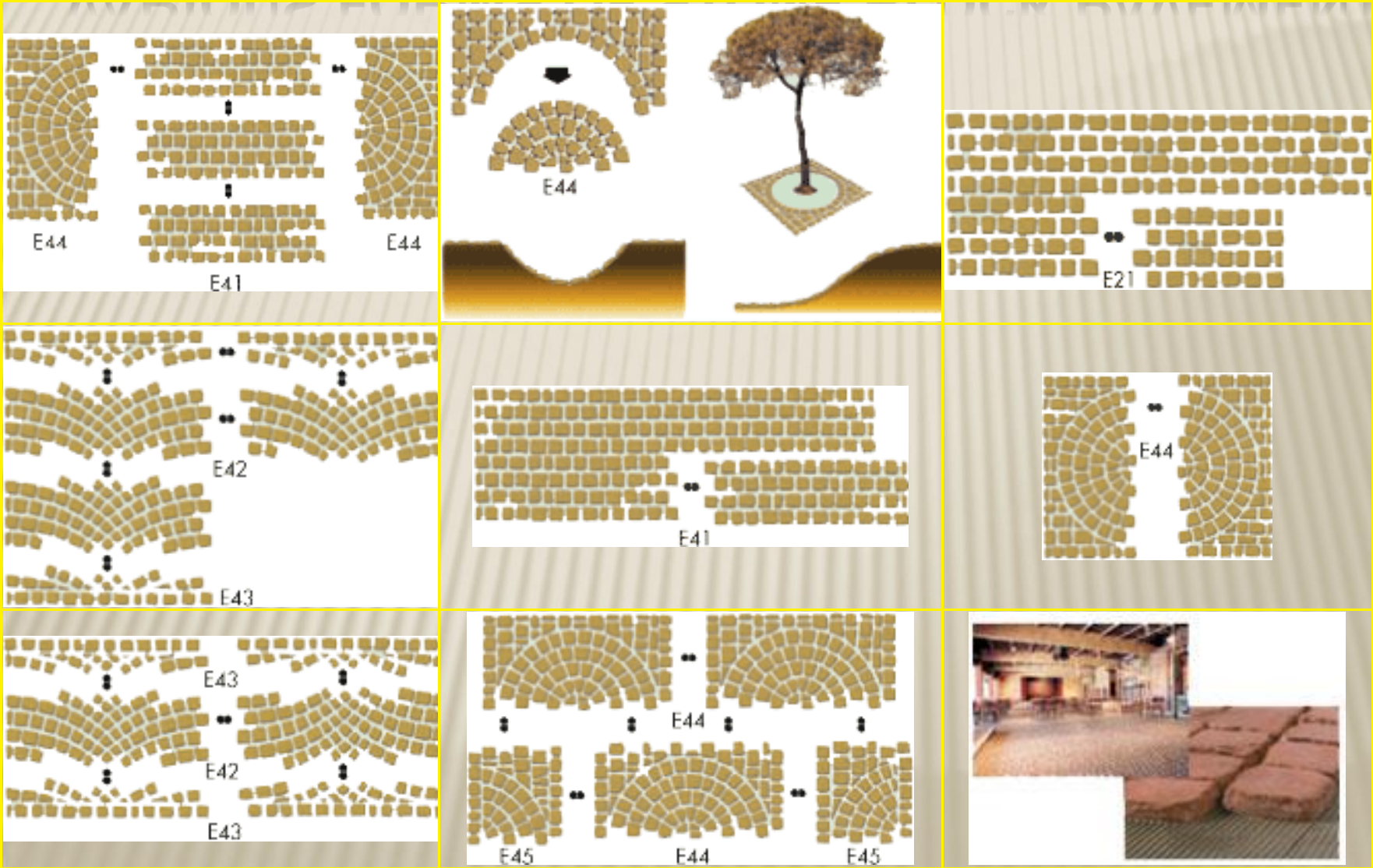


- E45 “segments of a circle layer”



- E46 kerbside (curb, stair step)

VARIOUS FORMS OF STONE-BLOCK PAVEMENT



LAYOUT

[HTTP://WWW.YOUTUBE.COM/WATCH?V=2GXFDZYPLRS](http://www.youtube.com/watch?v=2GXFDZYPLRS)
~~HTTP://WWW.YOUTUBE.COM/WATCH?V=2GXFDZYPLRS~~



In order to ensure an appropriate layout and durability of the sidewalk carpet, it is necessary to take proper care of the groundwork, and to make sure that its base was correctly constructed and built; that it will ensure necessary frost resistance and will withstand any load. A scrupulous tightening of the base is the best guarantee for a longevial and even surface of the sidewalk. After the base has been tightened, the surface should be leveled using a flat plank. This way an even base for the layering is created.

Laying the elements of the carpet stones

Now it is possible to arrange the layers in a form of the chosen ornament based on your design. Plasticity of construction allows to easily adjust to the irregularity of the surface. A possibility to divide the elements of layers allows to create a vast amount of ornaments that have different configurations and colours.

Cutting the elements of carpet stones

It is possible to divide the elements of a layer using a knife or nippers.

Filling the seams

The seams of carpet stones can be filled with sand, blend of sand and cement, torpedo gravel, marble aggregate or a liquid cement.

Compaction of a ready sidewalk surface

After filling the seams, it is necessary to tighten the sidewalk's surface, using a vibrating board with a silicone laying. After the compaction, the seams should be filled again, and the remainder of the filling should be washed and swept away from the sidewalk surface. After that, the sidewalk surface is ready for usage.

Carpet stones:

- ✘ *Creates an atmosphere that will make you feel great.*
- ✘ *Adds a touch of comfort to a living space, facilitates relaxation and rest.*
- ✘ *A natural external appearance and structure that reminds real the block stones, allow to combine carpet stones with other natural products, such as wood or ceramics.*



IMPLEMENTATION AREA

Implementation areas are limitless; it only depends on the variety of your ideas:

- ✘ garden alleys;
- ✘ sidewalks, streets, squares, also in the reconstructed areas of old towns, as well as around the castles and fortresses;
- ✘ car parking spaces;
- ✘ temporary alleys and areas for public events, laying the elements on grass or soil with subsequent dismantling;
- ✘ an arrangement of grounds for waste water infiltration.



COURTYARDS









CAR PARKING PLACES



TERRACES





GARDEN ALLEYS





**Carpet
stones**





COURTYARDS



SQUARES



PARKS



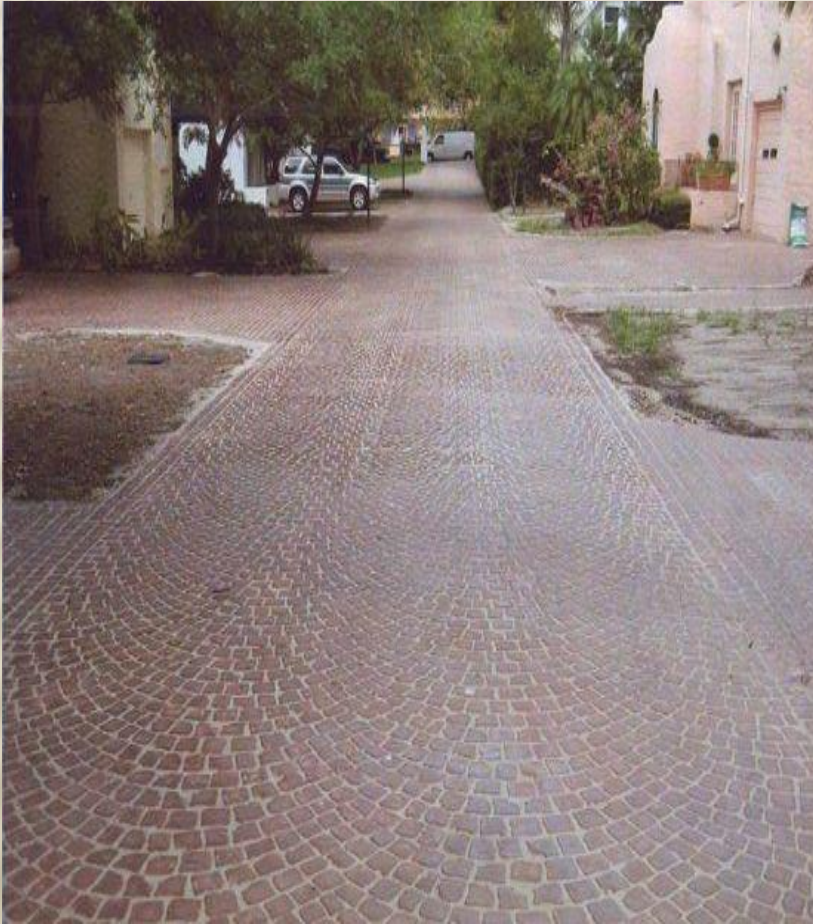
INTERIORS



CAFES



STREETS



OBJECTS OF CULTURAL HERITAGE (CASTLES, PALACES, FORTRESSES)



ALPINE GARDENS



BRIDGE SLOPES



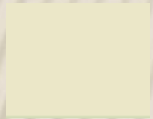
TECHNICAL INFORMATION

Elements	Sizes, cm	Number of sq.m. in one element	Weight of all elements, kg	Packaging
E41	120 x 40 x 4	0,50	32	30 pcs on the pallet
E42	120 x 40 x 4	0,50	32	30 pcs on the pallet
E43	120 x 40 x 4	0,50	32	30 pcs on the pallet
E44	120 x 40 x 4	0,75	48	15 pcs on the pallet
E45	120 x 40 x 4	0,75	48	15 pcs on the pallet
E46	42 x 20 x 8	2,50 IM	14	78 pcs on the pallet

COLOURS



Antracite



Sandy white



Red-Brown

SEAM FILLING IN PAVEMENT ELEMENTS:

- ✘ *Standard (wet) method* – this is filling the seams using the mix of granite fines with fraction of 2-6 mm, cement and water.
- ✘ Filling seams is done lower than the surface of the pavement elements by 2-3 mm. This makes the seams waterproof. That is why this method of seam filling in pavement elements requires a construction of additional surface drain line if the area that is supposed to be laid with the pavement elements is rather big.



SEAM FILLING IN PAVEMENT ELEMENTS:

- ✘ This *method that lets the water go through* is a method of seam filling using polymer binders and granite fines with fraction up to 6 mm.
- ✘ This method allows water to freely go from the surface of pavement elements through the seams deeply into the underneath layer (“pie”) and further into the soil. This does not require an additional construction of surface drainage.
- ✘ Finally, this method of seam filling makes the development of big areas intended for paving more economical and ecological.



SEAM FILLING IN PAVEMENT ELEMENTS:

- ✘ *Ecological method* – the method of filling seams with granite fines without cement or polymer binders.
- ✘ This method of seam filling does not require a construction of surface drainage if there is constructed an underlying layer that lets the water go through. When stringing the pavement elements and filling the seams, an additional vibrocompaction of surface coverage is required.

