

**PROJECT FOR IMPLEMENTATION
CITY PARK ROAD PROJECT IN BAČKA TOPOLA**

The height and position of the curbs must be in accordance with the project. The curbs must be MB 40 and have certificates of the required quality. Only healthy and undamaged curbs may be installed.

The calculation of the work performed is made per linear meter of the laid curb, for all work and materials, including the procurement and transport of the curb.

6. PURCHASE AND INSTALLATION OF TERRAWAY UNDERLAYMENT

The TerraWay® coating consists of a mixture of two-component epoxy resin and natural stone chips. TerraWay® results in a solid, durable, water- and vapor- permeable surface, intended for pedestrian use.

The bonding material is a colorless glue, a specially developed two-component epoxy resin.

The aggregate is sorted, washed (dust-free) small natural stone (pebble) or ground stone (sand), granulation 2/5 mm, made of hard minerals - silicates: quartz sand, quartz, ground basalt and granite. It is installed without additives and painting or pigmentation, after installation it has a permanent appearance of a natural gravel cover.

Environmental advantages: recyclable, not hazardous to the environment, neutral impact on groundwater (Light Z0), water and vapor permeable, reduces traffic noise, has a favorable effect on the microclimate (heats up less at high summer temperatures), reduces the amount of fine dust in the air.

Mechanical and physical characteristics:

BASIC FEATURES	PEBBLE	RIZLA
Tensile strength	min. 3.6 Mpa	min. 3.0 Mpa
Pressure resistance	min. 200 N/mm	min. 150 N/mm
Flexural strength	min. 5.5 Mpa	min. 4.0 Mpa
Wear resistance according to Boehme (Boehme method: mm ³ /5000 mm ²)	≤ 10000	≤ 25000
Slip resistance	≥60 R11	≥60 R11
UV resistance	Minimal surface area yellowing.	Minimal surface area yellowing.

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Frost resistance - crowning	max. 50 g/m ²	max. 50 g/m ²
Tensile strength at temperature from -20 to 3 C°	2.83 N/mm ²	2.83 N/mm ²
Water permeability	1800 l/m ² /h	1800 l/m ² /h
Weight	50 kg/m ²	

Non-flammable material.

Shrinkage about 0.1%.

On-site installation in the form of a monolithic structure. By using various types of natural stone, a diverse surface can be achieved.

The optimal temperature for performing work is above 10 C°. The material sets in 6-8 hours at 20 °C, and the maximum load capacity is reached after 3 days.

Solid, durable, water- and vapor-permeable surface, intended for use by pedestrian and road traffic. Installation on site in the form of a monolithic structure. The aggregate is sorted, washed (dust-free) small natural stone (pebble) or ground stone (sand), granulation 2 to 5 mm, made of hard minerals - silicates: quartz sand, quartz, ground basalt and granite. It is installed without additives and painting or pigmentation, after installation it has a permanent appearance of a natural gravel bed. The binding material is artificial resin.

Tensile strength and breaking strength of hardened lining: min 3.0 MPa or 150 N/mm

Bending strength: min 4.0 MPa

Anti-slip level: R11

Impact of the material on the environment: LIGHT Z0

Water permeability: 1800 l/m²/h

(One way to assess water permeability is through the Hazen-Williams formula, which is used during pipeline construction to calculate pressure loss due to friction in the pipe itself.

TerraWay: Kf=5x10⁻⁵)

UV resistance: surface discoloration

Abrasion resistance of the hardened coating (Böhme abrasion: $\text{mm}^3/5000 \text{ mm}^2$): min 10000

Resistance of hardened lining to frost and peeling: max 50 g/m²

Material resistance at low temperatures (from -20 C° to 3 C°): $R_h-n = \min 2.13 \text{ N/mm}^2$

Characteristics of epoxy resin:

Liquid density of the binding element using a pycnometer (g/cm³):

- component A: 1.1

- component B: 1.0

Dry material content in the binder element: (m/m%)

- component A: 97.5

- component B: 19.5

Determination of the density of the hardened binder element (g/cm³): 1.1
