

EUROSTEP ROADMARK

TECHNICAL INFORMATION

Eurostep Roadmark a two-component liquid-based methacrylic resin and hardener **PLEXILITH 192** The material is characterized by a rapid cure time and the ability to carry out the work in freezing temperatures.

USING

The insulating surface **Eurostep Roadmark** is used as a surface pavements bridges concrete base, asphalt or metal. At the same time protects the concrete against corrosion due to the weather.

As a material with a very short curing time is indicated to perform maintenance and repair work on the engineering objects (works can be carried out at sub-zero temperatures) and to perform isolation-surface on small bridges and overpasses. Using the capabilities of the small works on engineering objects can be done in one day.

Eurostep Roadmark system can also be used to carry out the separators on asphalt roads and metal substrates. The material binds well with the asphalt, has similar thermal expansion characteristics.

ADVENTAGES

- Excellent penetration of the substrate
- Work in freezing temperatures
- Very short curing time
- Resistant to low temperatures
- Good chemical resistance
- Good mechanical resistance
- Good resistance to abrasion

TECHNICAL DATA

Component A	liquid methacrylic resin
Component B	catalyst – PLEXILITH 192
Component C	quartz filler
Proportion A:B	100 – 3 do 6
Pot life after mixing	20 min.
Packed	20kg, barrel 180kg
Resin use	0,6 kg/m ² (one layer)
Quartz use	ok. 3,5kg/m ²
Dust-free	45 min. (w temp.20°C)
Density	1,1 kg/l
Viscosity	650 – 800 mPa*s
Atest PZH	HK/B/1444/01/2008

The amount of catalyst depending on the temperature.

Temperature[°C]	Plexilith 192 [%]	Pot life[min.]	Cure [min.]
0-10	6	22	45
10-15	4	21	40
15-20	3	20	40

APPLICATION

SURFACE PREPARATION

The surface should have a high strength (concrete B25) and be free of contaminants such as: grease, oil, dirt, laitance, etc. Before placing the system, clean the substrate by mechanical means - blasting, sandblasting. Not recommended for treatment by the action of water at high pressure. The system requires a dry surface.

LAYING CONDITIONS

Recommended temperature of the material prior to application - 20C. Material should not be applied to the substrate when the temperature is less than or equal to the dew point temperature.

MIXING, PLACING THE MATERIAL

The material consists of two components capable of reacting (resin + catalyst) and a component C - sand. Part A + B before pouring must be thoroughly mixed together while maintaining the prescribed mixing ratios, which have a very large impact on the quality of the final product. The individual components are provided in amounts mutually adjusted. When processing the contents of the package, be sure to weigh ingredients while maintaining specified proportions. Do not slow down or accelerate the reaction by changing the amount of hardener. When mixing, use appropriate mixers driven drills for speed max. 400/MIN. If the speed is increased mixing of air and excessive heating of the mixed material, which accelerates the curing reaction and shorten the life of the mixture. All ingredients should mix about 2-3 minutes. The formation of streaks indicates inadequate mixing. After mixing, the mass is ready to use.

Layer I

Roadmark Primer is used as a primer for Eurostep Roadmark system. The material should be applied to the cleaned substrate with suede shafts of short length while maintaining standards of consumption of the system shown in the table. After applying the Primera be achieved with sand layer of granulation and indicated within the required use. After drying (approx. 30 min.) Any excess sand must be removed by brushing.

Layer II

Eurostep Roadmark a layer system design. The material is applied using a roller or Wizer velvet so that the material fills the gap created by filling with sand. When you place a layer of sand to bury full keeping in the table consumption to a minimum. After curing, remove excess dirt by brushing.

Layer III

The execution of the closing layer is used Eurostep Roadmark. Material, retaining fuel given by the table and laying method as for the previous layer should be spread evenly. The last layer is NOT backfilled with.

Eurostep system Roadmark 5 mm as the structural layer is used Eurostep Roadmark 5 Method of procedure, stacking, surface requirements, precautions are the same as given above for the system with a thickness of 3mm.

In order to obtain a smoother surface of the second layer after curing can be abraded.
The material can not cover existing ground joints. After curing, the material must play slots.
The material can be used on stairs and vertical surfaces.

Overwhelmed:

The aggregate used for backfilling may be in the colors of the System, or natural color. It is recommended to perform filling primer of natural aggregate structural layer and the charge - the aggregate stained in the color scheme.

NOTE:

When placing the system must be aware of a very short curing time of the material. Curing time is strongly dependent on temperature. In carrying out the work should pay particular attention to:

- Adding a catalyst Plexilith 192 in strict accordance with the tables
- The heated surface and high ambient temperatures the material should be mixed in small portions
- After applying a resin filling, you should perform
- Spreading the material must be "top up: go to the end of the upstream material
- Do not dip the roller (used for spreading material) in a bucket in which the material is mixed and delivered to the site.

LAYER SYSTEM EUROSTEP ROADMARK

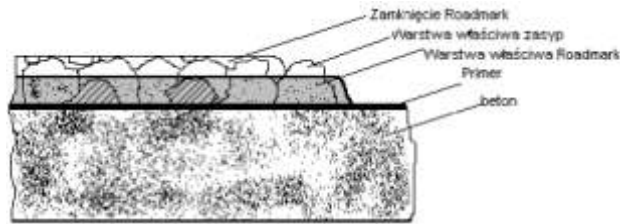


TABLE SYSTEM

Fuel components:	
Roadmark	kg/m ²
3 mm	Primer 0,35kg/m ²
	1,5 kg/m ² quartz 0,8-1,2 mm
	Roadmark 0,6 kg/m ²
	3,5 kg/m ² quartz 0,8-1,2 mm
5 mm	Roadmark 0,6 kg/m ²
	Primer 0,5 kg/m ²
	1,5 kg/m ² quartz 1-1,8 mm
	Roadmark „5” - 0,9 kg/m ²
	3 kg/m ² quartz 1-1,8 mm
	Roadmark „5” - 0,9 kg/m ²
	3 kg/m ² quartz 0,8-1,2 mm
	Roadmark „5” - 0,7 kg/m ²

COLOURS

COLOURS – Grey, Green, red, blue, yellow.

STORAGE CONDITIONS OF COMPONENTS

- Store in tightly closed containers or containers
- Temperature składowania min. 5 ° C, max. 25 ° C
- Do not expose to direct sunlight
- Avoid contact with skin
- Avoid breathing vapors from heated material
- Do not allow contact of the individual components of acid, strong oxidizing agents, bases.
- The material does not present spontaneous explosion
- After storing the resin mix well due to the subsidence of paraffin

FIRST AID

SKIN

- remove contaminated clothing
- wash contaminated skin with water mild detergent
- do not use solvent
- created to bandage the wound with a sterile bandage
- consult your doctor if you keep complaints

INHALATION

- the fumes poisoning the victim to provide plenty of fresh air
- lay the victim at rest
- protect against heat loss, and loss of consciousness

EYES

- eye should be rinsed thoroughly with clean water
- the eyelid wash with plenty of water
- If the symptoms persist seek medical advice

DIGESTIVE

- drink plenty of water
- give activated carbon
- if the symptoms persist consult a physician.

PROTECTION

1. All workers should be trained in detail in the handling of methacrylate resins
2. It is not permitted for persons with allergies to perform work near the resins
3. Protective glasses and gloves should be used if there is a danger of splashing the emulsion
4. after every contact of the emulsion, it is important to wash the hands with water and mild cleaning agents (this is especially important before meals). Do not use benzene, toluent or tetrachloride carbonate!
5. Due to hygienic reasons, there should be no food or drink consumption in the workplace as well as no smoking of tobacco.

ECOLOGICAL INFORMATION GENERAL

- The individual components and their uncured mixture can contaminate water.
- Do not let them reach ground water, water course or sewage system.
- Should always lead to a hardening of the remaining material.
- Cured product residues should be disposed of as artificial material.