



Go Green®
– Road Experts –

Go Green®
ECO FRIENDLY PAVEMENT PRODUCTS

Go Green Road Repair Tape Construction Guidance

Go Green road repair tape is a quick pavement repair material to solve the cracks on the asphalt roads. The main material is high polymer modified asphalt, and the stone particles are fired from basalt crushed stone with a certain gradation. The road repair tape is a three-layer structure: easy to remove protective isolation film + high polymer modified asphalt + graded crushed stone. The road repair tape subsidy has a simple construction process, does not require heating, environmentally friendly construction, no dust, smoke and other harmful substances are discharged during construction, and can be rolled, pasted, spliced or cut according to the road conditions, no material waste, to achieve green energy saving and environmental protection construction.



The research and development for the Go Green road repair tape solves the problems of low construction efficiency, large traffic impact, large equipment and high cost investment in the early stage of local road disease treatment. It is a factory-produced pavement wear layer. The film is peeled off and pasted to cover the cracked parts of the net. After rolling, the purpose of quickly repairing local diseases on the road surface can be achieved. Different types of Go Green road repair tape have the advantages of water sealing, crack resistance, slip resistance, low noise, easy construction, no heating, no equipment investment, fast opening to traffic, etc.



1. Go Green Road Repair Tape Technical Advantages

- 1) Quickly open traffic: Go Green road repair tape can quickly repair road and pavement cracks, and traffic can be opened after construction without maintenance or waiting.
- 2) Direct paste without heating: Go Green road repair tape is self-adhesive type, the main material is high polymer modified asphalt, which has the characteristics of strong cohesion. Very strong adhesive pavement.
- 3) Fast construction: Go Green road repair tape is a wide temperature range and high adhesion type, and the construction can be completed in three steps: cleaning - peeling off the film and pasting - rolling.
- 4) Sealing and waterproofing: Go Green road repair tape can effectively seal the cracks of the pavement to avoid further damage to the pavement caused by the infiltration of rainwater into the cracks.
- 5) Low noise and anti-slip: After repairs the crack of the road surface, the colloid is embedded in the crack of the road surface after a period of rolling by the vehicle, which can effectively reduce the driving noise. Due to the existence of graded gravel, it also ensures the vehicle it won't slip when driving on it.
- 6) Low-carbon and energy-saving: No heating is required during the construction process of road repair tape, which saves fuel consumption.
- 7) Cost saving: Go Green road repair tape construction is carried out by two people, no large equipment is required, and a lot of construction costs are saved.
- 8) High temperature without flow and low temperature crack resistance: The high polymer modified asphalt is added with additives such as rubber and SBS, which improves the softening point and penetration, making the Go Green road repair tape compared with ordinary ones. Asphalt material has better high and low temperature performance, can achieve non-stick feet at 90°C, and is not brittle at minus 40°C.

2. Go Green Asphalt Repair Tape Construction Tools

- 1) Knapsack blower or broom, used to blow off road dust and debris.
- 2) Scissors or wallpaper knives, for cutting the road repair tape
- 3) Iron rollers or small road rollers are used to compact the road repair tape after paving.

3. Go Green Road Repair Tape Construction Method

Go Green road repair tape main components are modified asphalt, rubber powder, SBS, talcum powder, basalt, diesel oil, engine oil, stabilizer, tire base cloth and isolation film. The road repair tape is self-adhesive, no need to heat, no construction equipment, mainly used for asphalt pavement lack of bitumen, pavement cracks and mesh cracks. Construction is easy in the following 4 simple steps.

1) Road cleaning:

- Use a portable hair dryer or broom to remove any floating dust, dirt, etc. in the cracked area.
- Crack filling (if necessary):

For individual wide cracks or small potholes, you can use Go Green road repair tape to twist it into strips or lumps to fill and then paste the cracks.



When the crack width of the crack is bigger than 8 mm, the crack needs to be filled with a filling material, and the filling material can be flush with the road surface, and cannot exceed the road surface by 3 mm;

For small potholes, use a wire brush to clean the pothole soil and loose material to reveal a firm bond surface, then fill and compact with Go Green cold asphalt. After the potholes and wide cracks are processed, the next step can be performed.

2) For the asphalt roads lack of bitumen or the concrete pavement, it need to spray the emulsified asphalt on the pavement firstly, and wait for the surface to dry (about 20-30 minutes), then stick the road repair tape.

3) Peel off the film and paste:

Put a roll of Go Green road repair tape on one end of the cracks area, peel off a section of protective film, and stick the cracks with the self-adhesive road repair tape on the road, then one person pulls the film, and the other person rubs the roll. The road repair tape rolls along the cracking area until the it completely covers the cracking area. During the pasting process, the road repair tape should exceed 10cm on both sides of the cracking area.



4) After the paste is completed, use an iron roller or a small road roller to roll 1-2 times to ensure compaction.



5) Open to traffic. After the traffic is opened, the repair effect will be better.



4. Go Green Asphalt Repair Tape Storage

Please store the asphalt repair tape in a dry and normal temperature place, avoid humid and high temperature environments, and the stacking height should not exceed 4 layers, so as to avoid excessive stacking pressure leading to deformation of the road repair tape and stone accumulation.

5. Technical Index

No.	Testing Item	Technical Index	Testing Result	Comment
1	Thickness mm	3.5-4.0	4.07	Standard
2	Low Temperature Flexibility -10°C	——	——	——
	Low Temperature Flexibility -20°C	No Cracks	Meet Requirement	Standard
3	Bonding Strength Mpa	≥ 0.2	0.4	Standard
4	Softening Point °C	≥ 75	80	Standard
5	Low Temperature Stretch mm	≥ 5	5.8	Standard
6	Tectonic Depth mm	——	——	Standard
7	Impermeable	30min, 0.3Mpa Impermeable	Meet Requirement	Standard

6. Construction Precaution

- 1) In order to better integrate the Go Green road repair tape with the road surface, it is recommended that the construction during the late spring and early autumn, and the rainy season should be avoided.
- 2) When the road surface temperature is lower than 10°C, it is recommended to bake the cracked area with a blowtorch and then paste it while it is hot to ensure the paste effect. It is recommended to stop the construction when the night temperature is lower than 4°C.
- 3) Before pasting, ensure that the road surface is dry and there is no moisture in the cracks. It is recommended to suspend the construction within 24 hours before and after rain or road watering.
- 4) If the roadbed is not solid, the vehicle passes through obvious changes; the rut is serious, the rut depth is greater than 2cm; the drainage is not smooth, the road surface is waterlogged for a long time and other road diseases, it is recommended to use Go Green cold asphalt for filling and repairing after direct milling and stripping.
- 5) For the intersections and up (down) slopes in the heavy-duty road sections, and the positions where large vehicles (vehicles weighing more than 5 tons) often turn around and brake suddenly, in principle, it is not recommended to use road repair tape.
- 6) After the paste is completed, it is necessary to check whether the Go Green road repair tape has been compacted to prevent the phenomenon of hollowing and not being stained with the road surface. After this phenomenon occurs, if there is little traffic on the road, and in a short period of time, watering, rain, and wet weather happen, the Go Green road repair tape will start to fall off from the hollow or uncompacted place.
- 7) When the cracked area is wide, it can be lapped and pasted, and the lapped 2-3 cm is enough. The lapped and edge should be rolled several times to ensure a strong bond.

7.Package

4.0mm thickness x 1m width x 10m length per roll

