

**Oceanpower**  
**海川新材**  
 土木工程材料事业部



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**自行车专用道**  
 SOLUTION FOR COLORING BICYCLE ACCOMMODATION LANE  
 彩色解决方案

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MULTICOLOR PAVEMENT SOLUTIONS

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彩色铺装  
 整体解决方案



随着现代城市的高速发展，上海、北京等许多大城市都提出了自行车专用道路的修建计划。

Along with the high-speed development of the modern city, the construction plan of bicycle accommodation lane has been put forward in many cities, such as Shanghai, Beijing, etc.

欧美发达国家认为建自行车专用道是城市文明的体现，骑自行车，既减少了环境污染，又增强了市民的体质。

It is considered that the construction of bicycle accommodation lane is an embodiment of city civilization by occident-developed countries. Riding the bicycle not only can protect the environment, but also build up the people's health.



实践证明，公交与自行车两者有机结合成全面便捷的交通系统，可以使城市的噪声、污染和交通拥塞大为减少。因此专家提出应多层次发展交通，不能只限于发展小汽车、公交车，而忽视了其它的绿色环保类交通工具。

Practice proof, when the bus and bicycle system have organically combined to form a comprehensive and convenient traffic system, it can reduce the city noise, pollution and traffic jam. Thus, experts put forward that multilevel development of transportation is necessary. We shouldn't only pay attention to the development of car and bus system, but to focus on applying other green traffic transportations.

修建自行车专用道路，是建设节约型、环保型社会的发展趋势。深圳海川工程科技有限公司推出了自行车专用道路彩色解决方案，着重解决自行车道的隔离化，使人行道、自行车道、机动车道三者并行不悖，互不侵犯。

The construction of bicycle accommodation lane is the development trend of constructing economy and environment-protection society. Shenzhen Oceanpower Engineering Technology Co., Ltd. has explored the solution for coloring bicycle accommodation lane. This solution emphasizes on isolating the bicycle lane from other lanes. It makes the footpath, bicycle lane, and motorway doesn't affect each other.

## 解决方案（一）路威彩色沥青路面

Solution 1 Roadpower multicolor asphalt pavement

海川路威系列改性彩色沥青胶结料是利用国外的先进技术，按照沥青混合料的国家标准研制而成，路威彩色沥青胶结料性能指标完全符合国家标准对道路石油沥青A级的要求。

Applying the advanced technology abroad, and following the national standard of asphalt mixture, we made the Oceanpower Roadpower series modifying multicolor asphalt binder. The technical parameter of Roadpower multicolor asphalt binder can completely meet the requirement of National standard to A-grade petroleum asphaltic bitumen.

### 路威彩色沥青胶结料性能指标

Performance Index of Roadpower multicolor asphalt binder

项目 Item	单位 Unit	OP-50	OP-70	OP-90
针入度 Penetration (25℃, 100g, 5s)	0.1mm	40-60	60-80	80-100
延度 Ductility	15℃	≥100	≥100	≥100
	10℃	≥20	≥25	≥45
软化点 (环球法) Softening point (ring-ball method)	非机动车道 Cattle way	≥50	≥50	≥50

此种路面的施工可参考JTG F40-2004《公路沥青路面施工技术规范》。

The construction of this type of pavement refers to the "Standard Specification for Construction and Acceptance of Highway Asphalt Pavements (JTG F40-2004)".

## 解决方案（二）路威彩砂防滑路面

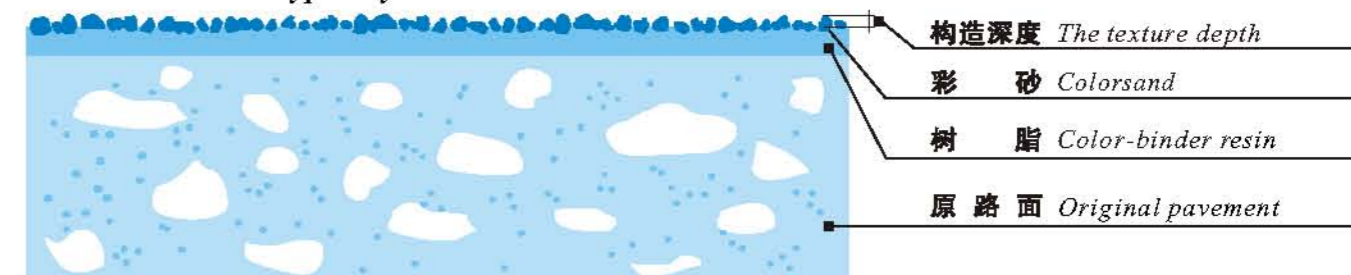
Solution 2 Roadpower multicolor pavement with skidproof surface

在自行车专用道路拐弯处或上下坡路段也可以选择修建路威彩砂防滑路面，此种路面施工简单便捷，且路面色彩丰富、持久，路面系统所使用路面颜色由所选集料的颜色决定。

At the turning or the uphill and downhill section of bicycle accommodation lane, we can pave the Roadpower multicolor pavement with skidproof surface. It's easy for construction and has abundant and persistent color. The color of the pavement is decided by the color of the chosen aggregate.

### 典型断面图

Typically cross-section



路威彩砂防滑路面的一般断面结构图如下：

The generic cross-section structure drawing of Roadpower multicolor pavement with skidproof surface is as follows:

1. 构造深度1.6~2.0 mm

The structure deepness is 1.6~2.0 mm.

2. 拉伸粘接强度1.0~1.3 N/mm<sup>2</sup>

The tension-bond strength of the Color Binder resin is 1.0~1.3 N/mm<sup>2</sup>.