



Research & Technology

We make every effort on our research on environmentally friendly technology, such as recycling waste rubber tyre for production of road paving material.

Recycling Waste Rubber Tyre for Production of Road Paving Material

We are committed to studying the feasibility of applying different bituminous road paving materials in Hong Kong. The exploration of the application of rubberized asphalt as an environmentally friendly road paving material is one of the initiatives. HyD and EPD, in collaboration with the Hong Kong Polytechnic University, commenced a study in 2014. In the study, we have established a rubberized asphalt mix design that is suitable for application in the Hong Kong road network and devised a method to effectively control and reduce potential environmental impacts in laying of rubberized asphalt. Laying of rubberized asphalt at two trial road sections namely Fo Tan Road, Shatin and On Lok Road, Yuen Long, were completed in June 2017 and December 2017 respectively. Its site performance in terms of durability and noise reducing ability is being monitored. With a view to further enhancing environmental benefits, HyD has further planned to commission a local academia to explore the feasibility of utilizing the recycled waste rubber tyre as an additive in the production of various bituminous road paving materials in the near future.



Rubberized asphalt laid at Fo Tan Road, Shatin



Rubberized asphalt laid at slow lane of On Lok Road, Yuen Long