

Cold Mix Asphalt Emergent Road Repairing Materials



We create the future
road culture based on the
best quality and technology



RPM

Road Patching Materials

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Dahyeon Industry Co., Ltd. directly produces and delivers the products from its own factory based on its own technology using only the high quality environmentally friendly raw materials, and provides customers with high quality products and fast services to achieve customer satisfaction. Dahyeon Industry Co., Ltd. strives for the future of the roads playing the role of the arteries for our land based on its eco-friendly technology, thus growing into the best company recognized both at home and abroad.



Certification



Emergent Road Repairing Materials (Cold Mix Asphalt)

(Korea On-Line-E-Procurement System Item Registration Number: 3012179801)

RPM Quality

RPM exceeds the standard values set by KS F 2369 (Cold mix asphalt for patching materials) in all categories, thus proving its excellent quality.

Test Item	Unit	Reference Value	RPM
Stability	25°C, N	2,500 or more	3,000 or more
Flow value	1/10 mm	20 ~ 40	20 ~ 35
Porosity	%	3 ~ 15	6 ~ 13
Immersion residual stability	%	75 or more	85 or more

Features and Benefits of RPM

- RPM can be used Immediately after unpacking without heating or additives
- Excellent resistance to water
- Excellent adhesion at subzero temperature
- RPM does not stick to equipment or shoes during work
- There is no need to spray sand after the completion of work
- Vehicle traffic becomes possible immediately after installation
- Long-term storage in sealed packaging
- Can be used for all road types

Usages

- Repair of asphalt and concrete road cracks, potholes, etc.
- Repair of floors (e.g. apartment complexes, parking lots, factories, warehouses, gas stations)
- Repair of colored roads (e.g. bus lanes, bicycle roads, and sidewalk, etc.)

Packaging and Storage



Stacked in 50 bags on 1200x1000mm wood pallet and wrapped.



Wrapped products are stored in a storage at room temperature

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Types of RPM

Product Name	Color	Specification(Package)	Usage
RPM 	Black 	25kg	Repair of small-scale road damages, aggregate of less than 6mm
RPM (Red) 	Red 	25kg	Repair of colored roads (e.g. bus lanes, bicycle roads, and sidewalk, etc.)
RPMS 	Black 	25kg	Repair of small-scale road damages, Fine aggregate less than 3 mm, (special use)

Other Items

Emulsified Asphalt

This product is intended to bond the Cold mix asphalt to the lower layer of the asphalt or cement road strongly, thus increasing the strength of the whole pavement.

Asphalt (AP-5)

Asphalt is packed in 18L can for excellent mobility and heating usability, enabling it to use only a small amount.

Asphalt-coated aggregate

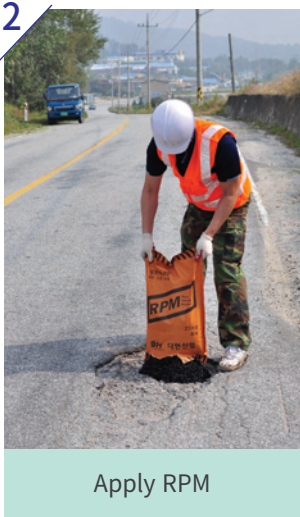
In this package product (asphalt content: 2 ~ 3%), asphalt and anti-peeling agent are mixed in aggregate of less than 6mm, which prevents the separation of fine aggregate and powder materials and enables secondary processing.

13mm aggregate for mortar

In this package product, 13mm aggregates are standardized so that the product can be mixed with cement or mortar.



How to construct RPM



- Basically compactor compaction is allowed but compaction with spade or wheels is allowed if construction area is small.
- Compaction Thickness
Minimum compaction thickness - 3.0Cm or more
Maximum compaction thickness - If it is over 15.0Cm, the layer is compacted at about 10Cm thickness

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Laboratory

Based on our continued R&D activities (e.g. the development of new products and new technologies and automated system, et.), we create high-value products, thus making remarkable progress. We will continue to invest in the research and development to produce products that can always impress our customers, and devote ourselves to making the best products as a leading company for the safe road maintenance in Korea.

Functional products

Based on continued R&D activities, we develop the product of economic values

Eco-friendly products

Thinking about our environment, we select only eco-friendly raw materials from the beginning of development

Field-centeredness

Our first priority is our customers in the design for the improvement of product quality and the development of product.



Enhancement of competitiveness based on market-oriented high-value new product development and advanced technologies



Signboard of R & D Department

High viscosity agitation heating mantle



Equipment for testing special polymer binders for new product development and quality improvement

Mold set for the manufacture of test specimens



Mold to produce the specimens conforming to KS test standard

Automatic asphalt compactor



Equipment to compact the test specimens conforming to KS test standard

Marshall stability tester



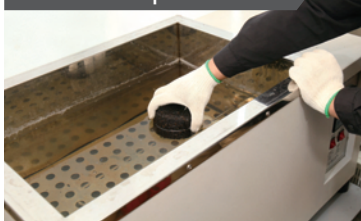
State-of-the-art digital equipment that can measure stability and flow values according to the KS test standard

Constant temperature chamber



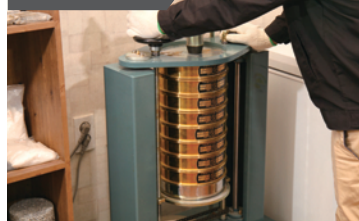
Equipment that sets the temperature, keeps temperature and heats at exact temperature to meet KS test standards

Constant temperature bath



Constant temperature bath to measure the immersion residual stability and moisture resistance.

Sieve Tester



(0.08mm ~ 10mm KS standard sieve is used) Equipment to identify the particle size distribution of the aggregate and to check the mixing ratio of the aggregate

DL method (New environment technology - No. 491) - Manhole lifting maintenance method

Technology Name

Manhole lifting maintenance technology using mold-integrated folding device and on-site manufactured asphalt mixture

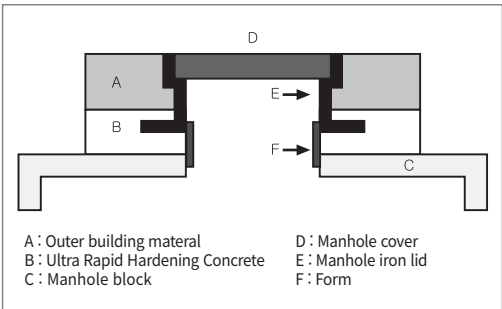
Technical Overview

After cutting and removing the existing pavement with a circular cutting machine, mount mold-integrated folding height of adjustment device on the manhole and adjust the primary height. It is environmentally-friendly manhole lifting repair technology that finely lifts the height through secondary precision height adjustment and then places the rapid setting concrete and the asphalt mixture manufactured by the on-site plant on the height adjustment layer and the surface layer respectively.

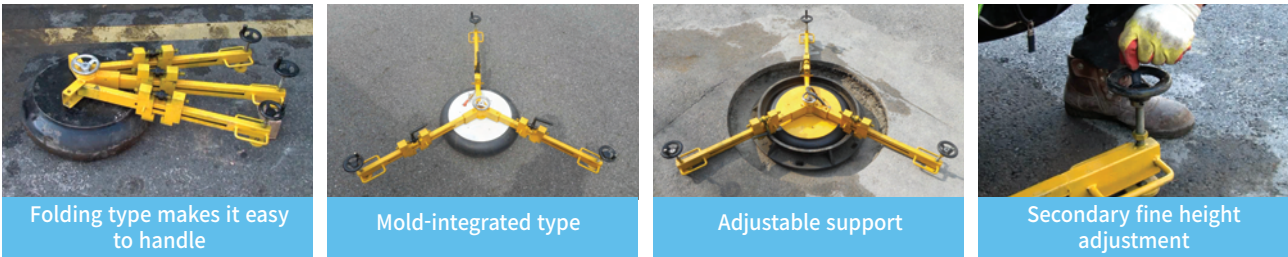
Scope of new technology

- Lift height adjustment technology using mold-integrated folding device
- Manhole lifting maintenance technology to form surface layer using on-site manufactured asphalt mixture

Standard Construction Cross Section



Mold-integrated folding height adjustment device



On-site manufactured asphalt mixer



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