Cold-mix Pothole Patchmaker

Cold mix pothole Patchmaker is a method of fixing potholes in roads, driveways, and other paved surfaces using asphalt or asphalt-like materials at ambient or colder temperatures, without the need for heating or hot-mix asphalt plants. This technique is commonly used for temporary or emergency repairs and is especially useful in regions with colder/rainy climates where hot mix asphalt may not be readily available during the winter/ rainy months.

How cold mix pothole repair generally works:

Preparation: The first step is to clean the pothole of any debris, loose asphalt, and water. This is typically done using a broom, air blower, or other cleaning equipment.

Placement: Cold mix asphalt, which consists of aggregate (stone and sand) and an asphalt emulsion or other binding agent, is then placed directly into the pothole. There's no need for heating or mixing at high temperatures.

Compaction: The cold mix material is compacted using hand tools, such as a tamper or a mechanical compactor, to ensure that it fills the pothole completely and is level with the surrounding pavement.

Traffic Ready: Once compacted, the repaired area is typically ready for immediate use by vehicles and pedestrians. Cold mix asphalt cures and hardens over time, although it may not achieve the same level of durability and longevity as hot mix asphalt.

Cold mix pothole patchmaker has several advantages:

- It can be applied in a wide range of weather conditions, including winter/rainy seasons.
- It requires minimal specialized equipment and can often be done manually.
- It is cost-effective for pothole repairs.
- It can be used as a fixer better than permanent hot mix asphalt repair.

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GOLDEN NEXUS LLP

Technical datasheet

Cold mix Pothole Patchmaker

Composition

1. Anti stripping : 1%
2. Polymer : 0.5%
3. Emulsifier (for setting) : 2%

The following test was carried out for assessment of the quality of maintenance mixes (IRC SP 116-2014)

- Water resistance test : Min 90%
- Workability test : Good
- Binder content : Min 6%
- Bond test : Good
- Wet coating : Min 98%
- Static Immersion test : Min 95%

Gradation of Aggregate

Sieve Size, mm	Percent Passing
9.5	100
4.75	40-100
2.36	10-40
1.18	0-10
0.075	0-2

Shelf life : 6 months

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