

Ecophalt™

Cold Patch

Environment-Activated Formula

Product Description

Ecophalt is a highway-grade, high performance, extremely stable, cold-applied patching material offering excellent workability at low temperatures and in wet weather. Ecophalt is a cold mix of aggregates, bituminous binder and nanotechnological additives intended to be placed cold, for long-term pothole and spall repairs. Ecophalt uses a high-density black granite aggregate having a density of over 2,650 kg/m.

Basic Uses

Ecophalt is a high performing and flexible product for infrastructure use, aimed at the repair of asphalt and reactive concrete. Ecophalt reacts with water or environmental moisture to provide a long-term repair. It may be installed in all weather conditions (cold, rain, snow) for year-round repairs.

- Bridge decks
- Asphalt and concrete paved roads and highways
- Around manholes, drains and other fixtures
- Bike paths
- Parking lots

Features and Benefits

- Install in wet or dry conditions with no temperature limitations
- Pre-mixed and ready to apply with no specialized equipment required
- Return to traffic in minutes
- Foil-lined bag allows clean release of material from bag and maximizes coverage rate
- Less job site waste compared to material in plastic pails
- No VOCs – environmentally friendly

Physical Properties*

Aggregate

100% Black Granite

Sieve Size	% Passing
5/16"	100
#3 ½	99
#7	68
#14	52
#25	42
#45	34
#80	19
#170	7
#325	1

Binder

Ecophalt contains a binding agent, a proprietary blend called Ecophalt MIX, which has no concentration of volatile organic compounds (V.O.C.). Ecophalt MIX is 10% of the weight of the finished product. The binder contains vegetable oil which improves stability.

Property

Value

VOC Content	none
Density	2650 kg/m ³
Viscosity	Malleable at >59 °F (material temperature)
Return to Traffic	5 minutes
Full Cure Time	48 hours

** The values shown are based on system testing under laboratory conditions. Different field application conditions or lab equipment configurations may result in system value variances.*

Packaging

- 50 lb, hermetically sealed, foil-lined bag
- Coverage rate: 0.52 cubic feet per bag

Installation

Site Preparation

- Ensure ambient temperature is between 0 to 90 °F (-18 to 32 °C) prior to installation. Ecophalt should be stored at 60 °F (15 °C) prior to starting repair for optimal workability of product.
- Remove loose debris and rinse the repair area to ensure sides/edges are clean. Area to be repaired may be wet or dry.

Application

- Pour Ecophalt into the pothole.
- Spread with a rake or shovel.
- Add water to dry installations to accelerate cure. Environmental moisture will also cure material.
- Compact with hand tamper or vibratory plate compactor equipment.
- The repair material should be proud of the surface by ½ to 1" based on the depth of the repair, allowing traffic to complete the compaction.

Clean Up

- Hand cleaners generally used in automobile maintenance. Tools may be cleaned using light oils, mineral or vegetable oils.

Limitations/ Shelf Life

Twelve months when stored in a dry place in original, closed packaging. Optimal storage temperature: above 60 °F (15 °C).

Warranty

FPT Infrastructure warrants its Products to be free of defects in materials but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, FPT Infrastructure makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to FPT Infrastructure Products. FPT Infrastructure's sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of FPT Infrastructure Products proven to be defective, and FPT Infrastructure shall not be liable for any loss or damage.

Please refer to our website at fptinfrastructure.com for the most up-to-date Product Data Sheets.

NOTE: All FPT Infrastructure Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.