

TECHNICAL BULLETIN #49

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PAVEFIX

Repair Material of Aggregates in Bituminous Binding Liquid

Description

PAVEFIX is a material for the instant repair of potholes, cracks and depressions in asphalt and concrete for motorways, airfields, roads, carparks, driveways and all trafficable areas.

- The material is laid cold
- No mixing is required
- No priming is necessary
- There is no 'pick up' or shrinkage
- No necessity to cut out
- CAN BE APPLIED IN WET CONDITIONS
- ONE PERSON OPERATION

Properties

The Material consists of a combination of selected aggregates, the main aggregate being granite or basalt, with a special binding liquid which is based on bitumen of selected penetration value, together with additives, resins and adhesives.

Grading

The standard grade uses a main aggregate of 5mm, with the filler aggregate being 5mm minus.

Mixing

No mixing is required, use straight from the pail.

Application

Brush out loose debris, standing water, oil etc. from hole, crack, joint or depression. Tip in sufficient material to slightly overfill the hole, ensuring that all edges are filled. Compact with the back of a shovel or tamper. For large areas a roller can be used but excessive use of a plate compactor is not desirable. The repair may be immediately traversed by traffic.

PAVEFIX may be applied in extremes of temperature and in wet conditions. For very deep holes it is permissible to apply a layer of the material in the bottom of the hole - about 15mm - followed by a layer of suitable aggregate (6 - 10mm chippings). This should be well compacted and then topped off with a layer of PAVEFIX of 20 - 25mm as a wearing surface, fully compacting this last course.

Curing

PAVEFIX stays flexible for some time, but after full compaction does not depress.

Packaging

In 20kg plastic pails, or 200 litre "open top" drums containing 330kgs.

Storage

Preferably store in temperatures 10°C or higher. Where PAVEFIX is stored at temperatures below 10°C some hardening may occur. To remedy this situation, warming of the material may be necessary. Standing in direct sunlight is usually sufficient. Shelf life: 9 - 10 months in pails.

Note: TIGHTLY SEAL PARTLY USED CONTAINERS.

Coverage

Approximately 1m² x 10mm per 20kg.

Specific Gravity

1.6 - 1.8 dependant upon aggregates and texture.

Curing Time

At 10°C touch time approximately 10 - 15 hours. Hard cure 24 - 36 hours.

Note: Due to adhesion qualities cure time is not that significant as traffic can be allowed immediately without any pick up.

Chemical Resistance

Dilute acids/alkalis	Good
Mineral/vegetable oils	Good
Grease	Will tend to soften with exposure to grease but not significantly
Petroleum solvent	Not resistant
Methylated spirits	Resistant

Colour

Black. Red and grey can be made to special order in large quantities.

Tool Cleaning

Tools may be cleaned in normal solvents such as white spirit, xylene etc.

Health and Safety

PAVEFIX is non-toxic and non-flammable. It is, however, very sticky. Therefore the use of rubber gloves is advised when applying. Stains on the skin can be removed by the application of proprietary cleansers such as Protectolene.

Refer MSD Sheet.

NOTE: Whilst every care is taken in the preparation of this data sheet, no responsibility is accepted for the interpretation of information contained herein, nor is any warranty expressed or implied for the suitability of the material for a particular application.