

# DUROSTICK PIT-FIX Fast setting road repairing mortar, in 15'

### PROPERTIES

Fast setting, fiber reinforced road repairing mortar, with superior resistance against compression, impact and vibration.

Its formula consists of selected coarse aggregates and a mixture of specialized cements, making it adhere powerfully to both asphalt and concrete.

It remains workable for about 7 minutes, and hardens in just 15 minutes. Depending on the weather/ambient conditions (temperature-humidity), it develops early high strengths within 1-3 hours, when common mortars need at least 24 hours to obtain equal strengths.

Classified PCC R3 as concrete repair product, per EN 1504-3.

### APPLICATIONS

PIT-FIX is ideal for repairing minor or major asphalt/street damage.

This is especially true during the winter months, when the municipalities do not recommend any pothole repairs with tar based materials, due to the continuous and frequent rainfall.

Apply PIT-FIX under any weather conditions, even under freezing conditions. It is suitable for road repairs, after utility crews (telecom, electricity, and water) complete their work.

Repair around storm drains, manhole covers and road excavation sites.

It is also ideal for mounting road signs

and very effective for installing metal posts or steel angles when installing wire fencing.

It is recommended for gap filling on roads due to vehicle traffic and between railroad rails.

### USE

#### 1. Surface preparation

Empty any standing water from the potholes, but soak them if they are dry. Potholes deeper than 15cm, can be filled with stones first.

This practice will reduce material consumption. Continue by covering the holes with PIT-FIX, at a minimum thickness of 10cm.

#### 2. Application

Use a bucket or a mixing tub, of at least 20lt capacity, or even mix the product close to the pothole itself.

Empty 25kg PIT-FIX mortar into 5.0lt of water. Mix with a shovel or a gauging trowel and pour into the pothole. Depending on the weather conditions, in 1 to 3 hours, areas covered by PIT-FIX are available to traffic and any embedded posts, whether for signage or fencing, can be exposed to stresses and continue the work.

### ATTENTION

Do not mix the product with additional water once it starts to set, because it will lose its mechanical strengths.



### TECHNICAL SPECIFICATIONS (Measurement conditions 20 °C and 50% R.H.)

Form - Color	Fast setting cementitious mortar - Gray
Toxic	No
Bulk density of dry mortar	1.40 ± 0.05 kg/lt
Bulk density of fresh mortar	2.00 ± 0.05 kg/lt
Maximum grain size	5 mm
Water requirement	5.0lt water in 25 kg mortar
Application temperature	From -5 °C to +30 °C
Temperature resistance	From -30 °C to +200 °C
Pot life	7 minutes
Shrinkage, per ASTM C596	Negligible
Resistance to moisture and frost	Excellent
Chlorides content, per EN 1015-17:	<0.05%

### MECHANICAL STRENGTHS

Flexural strength, per EN 12190, after:

• 28 days 7.00 ± 0.50 N/mm<sup>2</sup>

• Compressive strength, per EN 12190, after:

• 1 hour 6.00 ± 2.00 N/mm<sup>2</sup>

• 24 hours 20.00 ± 1.00 N/mm<sup>2</sup>

• 7 days 37.00 ± 1.00 N/mm<sup>2</sup>

• 28 days 45.00 ± 1.00 N/mm<sup>2</sup>

Adhesion to concrete, per EN 1542 > 1.50 N/mm<sup>2</sup>

Modulus of elasticity, per EN 13412 > 15 GPa

Resistance to carbonation Yes

Adhesion after 50 freeze-thaw cycles, per EN 13687-1 ≥ 1.50 N/mm<sup>2</sup>

Capillary water absorption w, per EN 13057 w < 0.5 kg/m<sup>2</sup>.h<sup>0.5</sup>

### CONSUMPTION

2kg PIT-FIX will fill a volume of 1lt.

### STORAGE

Store in the factory sealed packages, in dry and shaded places for at least 12 months from production date.

### SAFETY DIRECTIONS

The product contains Portland cement. Before use, read the safety instructions on the product packaging or the Material Safety Data Sheet.

### PACKAGING

Paper bag of 25kg on 1,500kg pallet

