

# DUROSTICK PIT-FIX



Fast setting road repairing mortar, sets in 15'



## PROPERTIES

Fast setting, fiber reinforced cement 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 strength. Classified PCC R3 as concrete repair product, per EN 1504-3.

## APPLICATIONS

PIT-FIX is ideal for repairing minor or major damage to asphalt or concrete roads, but also for the repair of core (road/concrete) samples after the road quality inspections are completed. It is also used in parking lots, courtyards of buildings (commercial spaces, schools, hospitals, etc.). Necessary 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 in 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 gravel or stones first. This practice will reduce material consumption. Continue by covering the holes with PIT-FIX, at a minimum thickness of 10cm.

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## 2. Application

In a bucket or mixing tub of at least 20lt capacity or even near the puddle, pour 25kg PIT-FIX in 5,0lt water, mix with a shovel or gauging trowel and empty into the puddle. Compress the material well. In less than one to three hours, depending on the weather conditions, areas covered with 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.

### 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

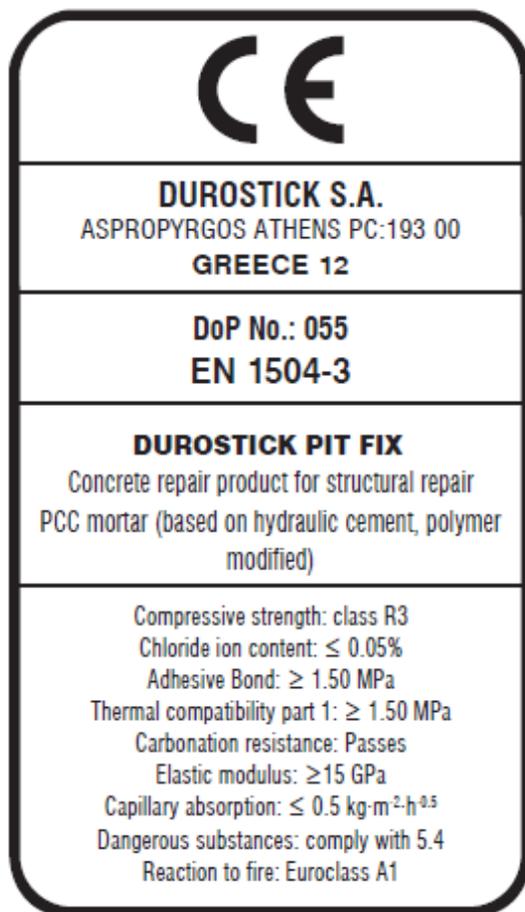
TECHNICAL SPECIFICATIONS ( <i>Measurement conditions 20°C and 50% R.H.</i> )	
Form - Color	Fast setting cementitious mortar - Gray
Toxic	No
Bulk density of dry mortar	1.40±0.05kg/lt
Bulk density of fresh mortar	2.00±0.05kg/lt
Maximum grain size	5mm
Water requirement	5.0lt water in 25kg mortar
Application 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%
PRODUCT PERFORMANCES	
Flexural strength, per EN 12190, after:	
•28 days	≥ 6.00 N/mm <sup>2</sup>
•Compressive strength, per EN 12190, after:	
•1 hour	≥ 4.50 N/mm <sup>2</sup>
•24 hours	≥ 18.00 N/mm <sup>2</sup>
•7 days	≥ 28.00 N/mm <sup>2</sup>
•28 days	≥ 40.00 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
Thermal compatibility expressed as adhesion to concrete, per EN 13687, after:	
•50 freeze-thaw cycles	≥ 1.50 N/mm <sup>2</sup>
•30 storm cycles	
•30 dry heat cycles	
Capillary water absorption w, per EN 13057	w ≤ 0.50kg.m-2.h-0.5
Reaction to fire per EN 13501-1	Euroclass A1
Where 1 N/mm <sup>2</sup> =1MPa	

The technical specifications and directions of use contained in this technical brochure are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.

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