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# PAVIDUR

## Quick-setting repair mortar

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Fluid consistency

Very high resistance

For urgent repairs of passage routes and flooring without shrinkage



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# PAVIDUR

## Quick-setting repair mortar

### DESCRIPTION

PAVIDUR is a special mortar based on alkaline phosphates, select aggregate and other additives that when mixed with water react chemically to make a mortar with excellent properties acting as a strong agglutinating agent and with high initial resistance. It does not shrink or crack and has a great capacity for filling. Its fast setting properties ensure that the repair will be ready for use after 30-60 minutes.

Resistant to the weather and pollution, implying a longer life. The minimum thickness to apply is 20mm.

### APPLICATIONS

For all types of urgent repairs of concrete flooring where work must be done as quickly as possible.

Fast repairs to roads or streets with intense traffic, bridge and dock road surfaces, anchoring securing bolts, loading and unloading bays, refrigeration chamber floors. For internal and external applications

Great adherence to all types of construction surfaces:

- concrete
- stone
- brick
- iron, etc.

### SUBSTRATE PREPARATION

Apply PAVIDUR directly on the surface, no need for priming. The surface must be firm, clean, free from dust, grease or oil. The edges of the area to be repaired should be saw cut to a minimum depth of 20mm and never bevelled. It is recommended to moisten the area with clean water, but without soaking.

### MIXING

Pour 2 1/4 l of clean water in a mixing container for every 25kg bag to be used. Mix with a stirrer until you achieve a consistent fluid mass. Do not add water after mixing, nor mix PAVIDUR with cement, traditional mortars or additives.

PAVIDUR can be mixed with sand at the ratio of 25kg of PAVIDUR : 8.5-12.5kg aggregate (maximum) : 2-2.5 l of water (2-3 bags of aggregate

: 25kg bag of PAVIDUR). The clean, rounded and dry aggregate should have grains of 5-10 mm.

### APPLICATION

Due to its high fluidity, PAVIDUR is recommended to be gradually compacted by hand on small areas, levelling the surface with a trowel or a straight edge. Make sure the edges and corners are well compacted and adhered.

### RECOMMENDATIONS

External temperatures affect the hardening times of PAVIDUR and need special precautions, such as that the water should have no ice and should be above 10°C. If the ambient temperature is over 30°C, cool water should be added to avoid setting too quickly (5 minutes).

In very humid or rainy weather, the product should be mixed and used under shelter.

When more than one bag of PAVIDUR is to be used, it is very important to pay special attention to the joints between bags, these should be done laterally and not applying the product in layers, e.g. you start on one side of the repair to fill it up, continuing later on the side and filling up again.

DO NOT apply an initial layer to the entire repair and go up to fill the repair, in this way, due to the PAVIDUR reaction speed and its strong exothermicity, it can produce uncoupling between layers and flaking in the last layer.

For the subsequent coating with resins of the repairs carried out with PAVIDUR, a curing time between 3 and 7 days (depending on application thickness) should be waited to allow time for the product to eliminate all the slag and gases of the reaction. Once this time has elapsed, it should be eliminated said slags by mechanical means and the coating can be carried out.

### COVERAGE

Approx. 2.0 kg of powder per m<sup>2</sup> and mm.

### TECHNICAL DATA

Mixing ratio	Approx. 2 1/4 litres of water : 25 kg of powder
Fresh mortar weight	Approx. 2 kg/litre
Yield	approx. 2kg of powder/m <sup>2</sup> /mm

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Working time (20°C)	approx. 10 minutes
Curing time (20°C)	approx. 20 minutes
Compressive Strength	after 1 day approx. 40 N/mm <sup>2</sup> after 7 days approx. 51 N/mm <sup>2</sup> after 28 days approx. 60 N/mm <sup>2</sup>
Flexural Strength	after 1 day approx. 6.6 N/mm <sup>2</sup> after 7 days approx. 7.4 N/mm <sup>2</sup> after 28 days approx. 7.8 N/mm <sup>2</sup>

### PACKAGING

PAVIDUR is packed in 25kg bag.

### STORAGE AND SHELF LIFE

If stored correctly in a dry and cool place and in original container, the shelf life of PAVIDUR is 12 months from the date shown on the packaging.

### SAFETY PRECAUTIONS

Causes irritation to eyes and skin, depending on sensitivity. Hazardous to health if swallowed.

May cause burns in case of prolonged exposure.

Avoid contact with eyes and skin. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.

Safety goggles and gloves must be worn at all times while the product is being mixed and when applying the product.

If applying indoors, ensure that the site is well ventilated. The MSDS is available upon request and

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