



TWO COMPONENT MORTAR FOR RESTORATION OF INDUSTRIAL CONCRETE PAVING IN MINIMUM THICKNESS

Description

The product is made up of two components: a cement base with special aggregate and a liquid resin. These are mixed together to form an advanced mortar for repairs to floors, ramps, steps etc... It has strong adhesion, is resistant to abrasions and is non slip.

Uses

- For restoration of industrial roads.
- To patch eroded concrete floors or to raise height.
- For non-slip ramp constructions, it is resistant to traffic wear.
- To repair concrete steps and stairs.

Advantages

- Non slip.
- From 5 mm. to 25 mm., thickness increase can be made.
- Can be used for filling voids or holes in floors.
- Quick setting: within 24-48 hours.
- Can be painted when dry or coloured by the addition of dye during mixing.
- Highly resistant to industrial acids and other pollutants.

Application instructions

- Clean off loose concrete.
- Clean the surface with a brush.
- Pour the **MAXCRYL** into a container.
- Add the **MAXPATCH** and mix to a creamy consistency
- Prime the treatment area with a brush
- Apply **MAXPATCH** with a steel trowel.
- Use the trowel for levelling

Preparation of the surface

. Remove all disintegrated concrete so that only solid structure remains. Box in patches or isolated areas to limit their perimeter. Cover expansion joints with at least 3 cm in thickness.

Use water under pressure to clean the concrete. Use a hydrochloric acid/water solution for oils by saturating the surface with the solution for 15 minutes and then cleaning with water under pressure. Repeat the process if the oil does not come off the first time.

Mixing MAXPATCH.

Using a clean receptacle, put in the **MAXCRYL** (resin), then add the **MAXPATCH**. Mix to a creamy grout consistency and prime the treatment area with a brush. Then prepare a semi-dry mixture using approx. 4 to 4.5 litres of the resin for every 25 kg. of powder.

Do not over mix. Lay the **MAXPATCH** with a steel float without applying too much pressure. Do not over trowel. Lay **MAXPATCH** in layers not greater than 2.5 cm thick. If a greater thickness is required, scratch the under coat and lay the following coats within 30 minutes.

For a thickness of more than 5 cm mix 25 kg. of powder with 10 kg. of clean shingle. In this case, the **MAXCRYL** can be diluted 50/50 with water.

Laying time.

MAXPATCH must be laid immediately after mixing and final levelling must be completed in not more than 20 minutes.

Working Tools.

Use a paintbrush or tamp fibre brush for priming. Use a steel float for laying, without applying too much pressure.

Recommendations

MAXPATCH should not be used on asphalt surfaces, anti-dust paints, metal supports or very cold surfaces. It should not be applied at temperatures lower than 5° C nor if there is a fall in temperature expected within 24 hours after application.

Consumption

Consumption is 2.0 kg./m² and mm. thickness. The following table shows indicative surfaces for different thickness and amount of material

QUANTITY	THICKNESS			
	5 mm	1 cm	2 cm	2.5 cm
5 Kg	0.5 m ²	0.25 m ²	0.13 m ²	0.10 m ²
10 Kg	1.0 m ²	0.50 m ²	0.25 m ²	0.20 m ²
25 Kg	2.5 m ²	1.25 m ²	0.63 m ²	0.50 m ²

Packaging

It comes in 25 kg bags and 30 kg metal drums (including 5 lt. of **MAXCRYL**).

Storage

Twelve months in its original unopened containers, in a dry place at temperatures above 4°C.

Cautions

MAXPATCH is not toxic, but it is an abrasive compound. When it is applied, must be taken into account to wear protective rubber gloves and glasses. In case one of the components comes in contact with skin, rinse thoroughly with soap and water, but not rub. Seek Medical attention if irritation continues.

Technical data

Density (gr./ cm ³)	1.9
Compressive strength at 28 days (kg./cm ²)	351
Flexural strength at 28 days (kg./cm ²)	105
Tensile bond strength at 28 days (kg./cm ²)	28
Chemical resistance 5 minutes immersion	
Ca (OH) ₂ Na OH Lactic acid Gasoline, Xylene, Methylethyl ketone, SAE #30 motor oil	Unaffected
Chemical resistance 5 minutes immersion	
H ₂ SO ₄ (10%) Citric acid Trichloroethylene	Intact, abraded slightly

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