

# YASH EPO PATCH PG



## YASH EPO PATCH PG

Two component polyester repair mortar

### Description

YASH EPO PATCH PG is a two components, high strength and fast setting repair and bedding mortar. It is designed for rapid repairs and as a fast curing adhesive. It is also used as re-profiling mortar for concrete, masonry, pre-cast concrete units and elements.

### Applications

- + General concrete repair mortar.
- + Bedding and fixing mortar for manhole sets and kerbstones.
- + Bedding and fixing mortar for frames, brick slips, slabs and coping stones.
- + As fast set repair mortar for pre-cast elements and units.

### Advantages

- + Fast curing, even at low temperatures.
- + High strength development.
- + Easy to use.
- + Excellent adhesion to concrete.
- + Easily shaped and placed.
- + Very good chemical resistance.
- + Resistance to water and weathering.
- + High chemical and oil resistance.
- + Pre-packed components ensure consistency.

### Method of Use

#### Surface Preparation

The surface must be structurally sound, free from oil, grease and other forms of contamination. Concrete surface should be dry and suitably prepared either by scabbling or grit blasting to remove any surface laitance.

Steel surfaces should be grit blasted to remove all rust and scale. (See the YASH Guide to Surface Preparation for further details).

#### Priming

YASH EPO PATCH PG has excellent adhesion to sound surfaces but the use of a primer is recommended if the surface is damp. The primer in this case consists of the neat Resin, as supplied, mixed with a little of the Filler component. An approximate 10:1 Resins : Filler ratio will be ideal for the purpose. The mixture should be brushed vigorously into the surface to be bonded.

### Technical Properties:

Colour	: Concrete grey
Specific gravity	: 1.95 ± 0.05
Compressive strength @ 25°C:	≥ 65 MPa @ 3 hr
BS6319, Part 2 : 1983	≥ 75 MPa @ 1 day
Tensile strength:	≥ 85 MPa @ 7 days
BS6319, Part 7 : 1985	10 MPa @ 3 hr
Application temperature:	11 MPa @ 7 days
Service temperature	: 0 - 30°C
Pot life	: -20 - 80°C
Adhesion to concrete	: > 3 MPa (concrete failure)
Chemical resistance	: Excellent to most diluted acids, alkalis, solvents, grease, oil, etc.

### Mixing

YASH EPO PATCH PG comprises two components, a liquid resin and filler which are supplied pre weighed in the correct proportions. Under no circumstances should part mixing be carried out.

Using a mixing paddle attached to a slow speed electric drill, the filler should be added to the liquid resin and mix thoroughly for 3 minutes until cream-like, putty consistency has been obtained.

### Application

The YASH EPO PATCH PG mixed to the standard, putty like, consistency should be applied within 15 minutes of applying the primer.

Apply the patching material with a small trowel or spatula and featheredge with a brush.

### Curing

The material will cure rapidly, even at low temperatures. Repairs with YASH EPO PATCH PG may be put back into service following 1 hour cure at 20°C, 2 hours at 10°C, or 6 hours at 0°C.

### Cleaning

Clean uncured material with YASH EPOXY solvent. Cured material can only be removed mechanically.

### Packaging

YASH EPO PATCH PG is available in 1, 4 and 7.5 kg pack.

# YASH EPO PATCH PG



## Specified Thickness Range

YASH EPO PATCH PG can be applied at thicknesses between 1 mm - 25 mm for horizontal applications and up to 10 mm for vertical applications.

## Yield

1 kg pack yields 0.5 litres.

## Storage

Protect from frost and store under dry warehouse conditions at temperatures between 5°C and 30°C.

## Shelf Life

YASH EPO PATCH PG has a shelf life of 6 months from date of manufacture if stored in unopened sealed containers and stored under good conditions.

If these conditions are exceeded, YASH Technical Department should be contacted for advice.

## Cautions

### Health and Safety

YASH EPO PATCH PG is irritant to eyes, skin and respiratory system. Wear suitable gloves and eye protection.

## Fire

YASH EPO PATCH PG & YASH solvent are flammable, and should be kept in a cool place.

## Fire

YASH EPO PATCH PG. is nonflammable.

## More from YASH CONCHEM Products

A wide range of construction chemical products are manufactured by YASH which include:

- Concrete admixtures.
- Surface treatments
- Grouts and anchors.
- Concrete repair.
- Flooring systems.
- Protective coatings.
- Sealants.
- Waterproofing.
- Adhesives.
- Tile adhesives and grouts.
- Building products.
- Structural strengthening.

Note : We endeavor to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, due to the fact that we have no direct or continuous control over where or how the products are applied, Yash cannot accept any liability either directly or indirectly arising from the use of Yash products, whether or not in accordance with any advice, specification, recommendation or information given by us.