

# YASH EPO PATCH 842



## YASH EPO PATCH 842

Solvent free epoxy patching and void filling compound.

### Description

Yash Epo Patch 842 is a two component, solvent-free, high strength adhesive and patching compound. Formulated to give an easily applied paste and suitable for sealant gun application, Yash Epo Patch 842 is thixotropic in nature and is suitable for vertical and overhead bonding and structural repairs. Yash Epo Patch 842 adheres well to most building materials without the need for a primer and will bond and cure under damp conditions, as well as exhibiting very good abrasion and chemical resistance along with negligible shrinkage.

### Applications

- + Yash Epo Patch 842 applications include:
- + Patching repair to defective concrete.
- + Bonding concrete to concrete and metal to concrete.
- + Bonding steel plates to concrete.
- + For gap filling and pin holes in concrete.

### 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).

#### Mixing

Yash Epo Patch 842 comprises two components, a resin base and a hardener, which are supplied pre weighed in the correct proportions. Under no circumstances should part mixing be carried out. When required for application, the two components should be mixed well until a uniform consistency and colour are obtained, this should be ideally carried out using a mechanical mixer. Mixing of 1 kg packs can be done by hand but care must be taken to ensure homogenous mixing. In cold weather, mixing will be aided

if the containers are stored in a warm environment before use.

### Technical Properties @ 25°C:

Appearance	: Thick grey paste
Compressive strength:	
BS6319, Part 2 : 1983	> 55 MPa @ 7 days
Tensile strength	
: BS6319, Part 7 : 1985	≥ 11 MPa @ 7 days
Flexural strength:	
BS6319, Part 3 : 1990	≥ 25 MPa @ 7 days
Bond strength:	> 2.0 MPa @ 7 days (concrete failure)
Mixed density	: 1.7 ± 0.05
Working time	: 55 - 75 min @ 25°C 25 - 45 min @ 35°C
Setting time	: 24 hrs @ 25°C
VOC	: < 20 g/ltr

### Application

For bonding concrete sections, an even coating of product should be applied to both surfaces and these brought together under light pressure. Any excess paste which exudes from the joint should be removed and the joint trowelled to a neat finish. The assembled sections should be protected from movement until the resin is set. Where Yash Epo Patch 842 is to be used as a bonding primer in the vertical or overhead position, an even layer of YASH EPO PATCH 842 should be applied to the surface and worked well in to ensure good contact.

The material to be bonded should then be placed after approximately 30 minutes at 25°C. (This time refers to the total elapsed time from mixing the product). For patch repairs, Yash Epo Patch 842 should be applied to the surface and finished to levels. A smooth surface will be aided by wetting the trowel sparingly with YASH EPOXY solvent. Yash Epo Patch 842 can be applied to cracks or in accessible areas by means of a sealant gun.

### Working Time

Yash Epo Patch 842 has a working time between 55-75 minutes at 25°C. Mixed material should not be left standing

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for any length of time prior to application, as this will considerably reduce its working time.

## Working Conditions

Yash Epo Patch 842 should not be applied at temperatures below 5°C.

## Curing

Yash Epo Patch 842 should be allowed to cure for 24 hours at 20°C before being subjected to foot traffic.

At the same temperature, full mechanical and chemical properties are achieved after 7 days (please consult our Technical Department for details of curing times at other temperatures).

## Cleaning

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

## Packaging

Yash Epo Patch 842 is available in 1 and 5 kg packs.

## Yield

1 kg Pack - 0.59 litre.

## Storage

Protect from frost and store under dry warehouse conditions at temperatures between 5°C and 40°C.

## Shelf Life

Yash Epo Patch 842 has a shelf life of 24 months from date of manufacture if stored in unopened, undamaged, sealed containers and stored under good conditions. If these conditions are exceeded, YASH Technical Department should be contacted for advise.

## Cautions

### Health and Safety

Consult the appropriate Material Safety Data Sheet prior to using Yash Epo Patch 842.

## Fire

Yash Epo Patch 842. is nonflammable.

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