

# Yash Epo Screed 103



## Yash Epo Screed 103

Heavy duty epoxy topping for floor surfaces

### Description

Yash Epo Screed 103 is a three-pack solvent free, epoxybased topping that provides floor surfaces with a seamless, hygienic and cosmetically attractive finish. YashEpo Screed 103 is applied by trowel and can be coved and laid to falls and has a very good durability towards pedestrian and vehicular traffic. It also has very good resistance towards many of the chemicals commonly found in an industrial environment (consult our Technical department for further details). YashEpo Screed 103 has a finish that provides very good slip resistance and can be supplied in a natural colour and variety of colours (consult our Sales Department for details).

### Applications

YashEpo Screed 103 is used to provide a hygienic, dense and extremely hard wearing surface for concrete floors for a wide range of applications such as:

- Heavy industry factories.
- Paint workshops.
- Steel works.
- Dairies.
- Chemical factories.
- Oil refineries.
- Freezers and refrigerated storage.

### Advantages

- Extremely hard wearing system.
- Solvent free.
- Non-slip.
- Available in a wide range of attractive colours.
- Resist a wide range of chemicals, consult YASH

technical department for more details.

### Method of Use

#### Substrate Preparation

The substrate must be clean, dry, even, dense and free from oil, grease, dust and other contaminants. A clean surface will ensure maximum adhesion between the substrate and the coating.

Concrete floors must have a minimum compressive strength of 25 N/mm<sup>2</sup> and a maximum concrete relative humidity of 80% (max. moisture content of 4%), relative humidity can be measured by using hygrometers.

### Technical Properties:

Appearance	: Natural or pigmented finish
Compressive strength BS6319	: Part 2 > 60 MPa
Flexural strength BS6319	: Part 3 > 20 MPa
Tensile strength BS6319	: Part 7 > 10 MPa
Pot life	: 40 - 60 min @ 30°C
Foot traffic	: After 24 hr @ 30°C
Chemical curing	: 7 days
Bond strength	: 2 MPa (concrete failure)
Application temperature:	5 - 40°C
Service temperature	: -20 - 60°C
Mixed density	: 2.1 ± 0.05
VOC	: < 20 g/ltr

Concrete relative humidity should be less than 80% for concrete of 28 days old or more, for low W/C ratio concrete floors, 80% hygrometer reading or less can be achieved before 28 days age.

### Surface Preparation

Unsound layers and contaminated concrete surfaces must be prepared using mechanical surface removing equipment. In case of areas deeply contaminated by oil or grease, such areas should be treated with hot compressed air.

### Priming

Concrete substrates should be primed with Strongcoat Primer. Use lambs wool roller to apply the primer. More than one coat may be required for highly porous or textured surfaces. Work the primer well into the surface of the concrete and whilst the primer is wet, dress the surface with Anti slip Aggregates #3 (0.1 - 0.5 mm) at the rate of 0.5 kg/m<sup>2</sup> and allow to touch dry.

Another prime coat shall be applied just before applying the mixed YashEpo Screed 103 to ensure a strong bond between the primer coat and the top coat.

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## Mixing

Natural type finish consists of three packs: base, hardener and filler, where the pigmented type finish has an extra colour pack.

Transfer the entire content of the colour pack into the base container and mix till a uniform colour achieved. Then add the mixed pack with the hardener into a casco or crete angel type mixer, ensuring that the bottom and sides of the packs are thoroughly scraped.

Start the mixer and add the entire contents of the YashEpo Screed 103 filler bag, ensuring that it is completely dry and lump free. Continue mixing for approximately 2 minutes.

Important: Never mix by hand as this could lead to areas of uncured material.

## Application

Once mixing is complete, transfer the YashEpo Screed 103 to the uncured primed surface and using a straight-edged steel trowel, apply it evenly. The use of Quickmast Solvent when used to clean the trowel will also aid in producing a tight closed surface.

Important: When applying each kit of YashEpo Screed 103, leave approximately 200 mm of the closest working edge untrowelled as this will help the blending in of the next kit. Note: Avoid excessive trowelling as this can lead to marks resembling burns on the surface.

## Remarks

YashEpo Screed 103 should not be applied on to surfaces known to suffer from damp rising. YashEpo Screed 103 should not be applied at temperatures below 10°C or where ambient relative humidity exceeds 80%.

## Cleaning

YashEpo Screed 103 can be removed by YASH solvent prior setting.

## Packaging

YashEpo Screed 103 "natural" is 3 packs system and available in 30 kg packs (14.3 litre). YashEpo Screed 103 "coloured" is 4 packs system

including a separate colour pack and available in 30 kg packs (14.3 litre) including colour pack. Yash Primer 366 is available in 5 kg packs.

## Thickness range

5 mm and above.

## Coverage

YashEpo Screed 103: Approximately 2.85 m<sup>2</sup>/kit @ 5 mm thick. Yash Primer 366: 5 m<sup>2</sup>/kg.

## Storage

YashEpo Screed 103 and primer have a shelf life of 12 months from date of manufacture if stored at temperatures between 5°C and 30°C. If these conditions are exceeded, YASH Technical Department should be contacted for advice.

## Cautions

### Health and Safety

YashEpo Screed 103 and its primer should not come into contact with skin and eyes. In case of contact with eyes wash immediately with plenty of water and seek medical advice promptly.

### Fire

YashEpo Screed 103 and its primer are non flammable. YASH solvent is flammable material and should not be used near a naked flame.

Do not smoke near Yash solvent.

### 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.