

# Intrica Fusion

Highly decorative, multi-coloured epoxy floor screed



## Description

**Intrica Fusion** is a multi-colour mottled effect epoxy floor screed produced by the combination of clear epoxy resin and graded coloured aggregates.

## Appearance

Highly decorative, speckled multi-coloured finish with a slight texture (depending on sealer).

## Typical Uses

**Intrica Fusion** is used in medium duty areas where a more decorative finish is required such as showrooms, dry food preparation, pharmaceutical, works canteens, laboratories etc.

## Features & Benefits

- Seamless
- Highly decorative
- Wide range of colours available
- Non-dusting

## Thickness

4 - 6 mm

## Typical Properties, 28 days at 20 °C

BS 8204-6 Type 6  
Adhesion to concrete (BS EN 1504-2) > 1.5 MPa  
(concrete failure)

The typical physical properties given above are derived from testing in a controlled laboratory environment. Results derived from testing field-applied samples may vary dependent upon site conditions.

## Suitable Substrates

Fine concrete and polymer modified cementitious screeds.

## Cure Schedule at 20 °C

Working life of full packs \* 25 minutes

\* Usable working life of material following mixing and immediate spreading as per the application instructions.

Finished floor \*

Over coating time 24 - 36 hours

Cure time to light foot traffic 24 hours (minimum)

Full cure 7 days

\* The above cure times are approximate and given as a guide only. These times can vary due to prevailing site conditions. At lower temperatures curing times will be extended. Do not proceed if ambient and/or substrate temperature is likely to be below 10 °C during application or cure.

## Unit Size

28.75 kg

## Coverage

The coverage rate will vary depending on the texture and porosity of the substrate, film thickness and application technique. As a guide, approximately 2.1 kg/m<sup>2</sup> per mm thickness is required. This equates to approximately 3.4 m<sup>2</sup>/unit @ 4 mm and 2.3 m<sup>2</sup>/unit @ 6 mm.

## Application Conditions

Substrate and air temperature should be in the range 15 °C to 25 °C otherwise workability and cure rate will be impaired. Localised heating or cooling equipment may be required outside this range to achieve ideal temperature conditions. To reduce the risk of "blooming" or poor inter-coat adhesion caused by condensation, the climate above the uncured floor and the substrate should be maintained at least 3 °C above the dew point during and for at least 48 hours after application.

## Surface Preparation

The surface to be coated must be clean, dry and free from oil, grease and loose material or any other contamination that may impair adhesion. Inadequate preparation will lead to loss of adhesion and failure. Grinding, light vacuum-contained shot-blasting or planing is recommended. Percussive scabbling or acid etching is not recommended. Refer to the **Resdev Guide to Surface Preparation**.

## Application Instructions

### Priming

Apply **Intrica Fusion** into tacky **Pumaprime TC** applied at 225 - 350 g/m<sup>2</sup>. If, when applied, there are dry patches, a further primer coat is required.

### Application of Intrica Fusion

Materials should be conditioned at 15 °C to 25 °C for at least 24 hours prior to use. Add the hardener component to the resin component and mix using a low speed electric mixer (300 - 400 rpm) for 1 - 2 minutes until homogeneous. Decant the mixture into a rotary drum mixer and add the aggregate component in stages, mixing for a minimum of 3 minutes until a uniform coloured mix is obtained. Apply the mixture immediately onto the wet/tacky primer using a steel float and level between batons as necessary.

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### Sealing

When cured de-nib, vacuum clean and grout using **Intrica Grout** as follows:

**1<sup>st</sup> Coat:** Apply **Intrica Grout** using a dense polypropylene squeegee to force the seal into the surface and to grout any open areas. Remove excess seal to leave the surface with an even, thin, transparent surface film. Finish by cross-rolling with a semi-dry roller. Allow to cure.

**2<sup>nd</sup> Coat:** Apply **Intrica Grout** using a dense polypropylene squeegee followed by a short pile roller. Alternatively, apply **Intrica Top Coat Matt** with a short pile roller. Apply sparingly to leave a completely sealed, thin, transparent surface film. The floor should be protected from contact with water for at least 7 days.

### Tool Cleaning

Tools and equipment should be cleaned whilst the resin is still wet with a suitable solvent.

### Colours Available

**Intrica Fusion** aggregate is available from a standard range of blends. Special blends can be obtained subject to minimum quantities and approval. Contact our Sales Department for further information.

### General Maintenance

**Intrica Fusion** can be easily cleaned using industry standard cleaning chemicals and techniques designed for epoxy resin flooring. Test cleaning agents prior to use. Do not steam clean or subject to temperatures in excess of 50 °C.

### Precautions

Remove food products from the area during application and curing.

### Technical Advice

For further information on this or any other Resdev product, please contact our office.

### Health and Safety

Before using this product, please ensure that you have received and read the product Safety Data Sheet. Refer to hazard labelling on the product. Wear gloves and avoid contact with skin and eyes.

### EU Directive 2004/42/EC

Complies with category j type SB (< 500 g/l).

### Storage


Materials should be kept dry and stored in a weatherproof building maintained at 15 °C to 25 °C on pallets and away from walls. Consignments should be used in order of batch number. Protect from frost.

### Shelf Life \*

12 months if stored in accordance with the above recommendations.

### Limitations

Do not proceed with application if atmospheric relative humidity is, or is anticipated to be >75% or if the surface temperature is <3 °C above the dew point. Application should not commence when the substrate temperature or the ambient temperature is, or is anticipated to be <10 °C during the application or within the curing period.

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		15	DOP RV0084
EN 13813 SR-B2,0 <sup>(a)</sup> Synthetic resin screed material for use internally in buildings not subject to reaction to fire regulations			
Reaction to fire	E <sup>(1)</sup>	Impact resistance	NPD
Release of corrosive substances	SR	Sound insulation	NPD
Water permeability	NPD	Sound absorption	NPD
Wear resistance	NPD	Thermal resistance	NPD
Bond strength	B2,0	Chemical resistance	NPD

<sup>(a)</sup> The above data was derived from testing a system based on Pumaprime TC, Intrica Fusion and Intrica Grout.

<sup>(1)</sup> According to Commission Decision 2010/85/EU of 9 February 2010, the product satisfies all the requirements of the performance characteristic 'reaction-to-fire' class E without need for further testing.

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