



EPIREZ®

# TECHNICAL DATA

## Supatuff™ Food Grade Finish

### Supatuff™ FG

**Supatuff™ Food Grade Finish (FG)** is a solventless high build epoxy based coating which provides excellent chemical and abrasion resistance to steel, concrete, aluminium, timber and other surfaces. This product is ideal for the preparation of easy-clean floor and wall surfaces. Please check with ITW Polymers & Fluids Technical Department for preparation of other surfaces not specified.

**Supatuff™ Food Grade Finish (FG)** has been especially formulated to provide long work time for ease of use with spray equipment. However, drying time is short and recoating can easily be accomplished in the same shift.

The non-taint and low odour properties of **Supatuff™ Food Grade Finish (FG)** make it ideal for use in food preparation areas. **Supatuff™ Food Grade Finish (FG)** has been tested by the CSIRO Food Research Laboratory for effect on tainting of food. Copy of this report is available on request.

**Supatuff™ Food Grade Finish (FG)** requires the addition of an appropriate **Epirez® Colourpack**.

### Areas of Application

- Food technology establishments
- Food processing plants
- Pharmaceutical industries
- Catering establishments
- Beverage production plants
- Educational facilities
- Detention Centres
- Hospitals
- Dairies
- Construction and mining industry

### Features

- Tile-like finish
- Full colour range
- Non-taint to foodstuffs
- Good chemical resistance
- High build application
- Solventless

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The information contained in this Technical Bulletin is as up to date and correct as possible as at the time of issue. The data provided should be used as a guide only as the performance of the product will vary depending on differing operating conditions and application methods.

The sale of any product described in this Technical Bulletin will be in accordance with ITW Polymers & Fluids Conditions Of Sale, a copy of which is available on request. To the extent permitted by law, ITW Polymers & Fluids excludes all other warranties in relation to this product.

## General Properties

Shelf Life	: 2 Years
Mixing Proportions by Volume	: 1 Hardener to 3 Compound
Solids Content	: 100%
Colour	: Neutral (use <b>Colourpack</b> range)
Work Time	: 1 hour at 25°C
Tack Free Time	: 8 hours at 25°C
Hardening Time	: 24 hours at 25°C
Recoating Time	: 8 – 24 hours at 25°C
Coverage per pack – Theoretical	: 53m <sup>2</sup> / 150 micron dry film
Typical Dry Film Thickness	: 150 micron per coat
Finish	: Gloss
Abrasion Resistance	: Very good

## Resistance to Chemical Spillage (cured 7 Days at 25°C)

- Ammonia Solution (20%)
- Sulphuric Acid (20%)
- Hot Water
- Sodium Chloride (50%)
- Fuel Oil
- Tannic Acid
- Sodium Hydroxide (30%)
- Lactic Acid (5%)
- Hydrochloric Acid (20%)
- Toluene
- Food Emulsions
- Lubricating Oil

Chemical spills should be washed off with water as soon as possible.

## Estimating Data

8 litre Supatuff™ Food Grade Finish (FG) = 53 m<sup>2</sup> / coat at 150 µm dft

## Application Directions

### Surface Preparation

#### Concrete

Remove any old paint and all loose material. New concrete must be at least 28 days old. Remove any oil or grease contamination by washing with a suitable degreaser. Hose off with high pressure water. Captive blast clean to expose firmly held aggregate. Allow to dry before application.

#### Steel

Ensure that the surface is free from oil or grease. Abrasive blast clean in accordance with **AS1627:4-2005** to a Class 2 ½ near white metal finish. Priming of treated steel should be completed within 4 hours.

Surface preparation guidelines cannot cover all site or field contingencies and it is always recommended that an on-the-spot adhesion test be performed as part of the Standard Quality Assurance audit for the project.

#### Priming

Prime surface with **Epirez® Epoxy Primer/Sealer (123)** using a long nap roller or airless spray. Work well into the surface profile and pores to ensure complete penetration.

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#### AUSTRALIA

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Wetherill Park NSW 2164  
Phone (02) 9757 8800 Fax (02) 9757 3855

#### NEW ZEALAND

ITW Polymers & Fluids  
Unit 2 / 38 Trugood Drive  
East Tamaki 2013, Auckland  
Phone (09) 272 1945 Fax (09) 273 6489

## Application

Add Hardener and selected **Epirez® Colourpack** to the Compound can and mix thoroughly using a suitable mixing paddle fitted to a low speed (400 rpm) power tool. Scrape sides and bottom of container with a flat blade. Remix for a further 2 minutes.

**Supatuff™ Food Grade Finish (FG)** can be applied by brush, roller or airless spray in 2 coats each up to 150 microns.

Do not add thinners when product is to be used in food areas.

## Cleaning

Tools and equipment may be cleaned before hardening commences by washing with **Epirez® Clean Up Solvent**. Do not use for cleaning hands or mixing with product.

## Maintenance

To maintain a good appearance and ensure a long serviceable life for Epirez Floors, it is important that good housekeeping procedures are always maintained.

Cleaning can be done with a mop, brush or auto scrubbing machine. Use a low residue detergent that is neutral in pH.

**Note:** It is important that manufacturer's instructions on dilutions of cleaning solutions are followed.

## Limitations

**Supatuff™ Food Grade Finish (FG)** should not be applied at temperatures below 10°C

**Supatuff™ Food Grade Finish (FG)** should not be applied to surfaces known to suffer from rising damp.

**Supatuff™ Food Grade Finish (FG)** is not recommended for application over tiles and is not suitable for use where it is subjected to high concentrations of hot chicken fat.

For more information contact the ITW Polymers & Fluids Technical Department.

## Storage and Shelf Life

Store in dry conditions between 10°C and 30°C, away from sources of heat and naked flames. Protect from frost. When stored in original sealed containers the minimum shelf life is 2 years.

## Packaging

**Supatuff™ Food Grade Finish (FG)** is available in 8 litre packs (Neutral Colour) each containing Hardener and Compound in correct proportions for use. **Epirez® Colourpack** must be added to the neutral product.

## Ordering Information:

<b>Supatuff™ Food Grade Finish (FG) 8 Ltr</b>	#E902370
<b>Colourpack 1 Kg</b>	#Various

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## Note

The figures quoted for work time, tack free time and hardening time are not definitive. They are dependent on job site conditions and will vary accordingly. In all cases, we endeavour to provide typical figures for use as a guide.

## Health & Safety Information

The product is hazardous. A Material Safety Data Sheet is available from the ITW Polymers & Fluids Technical Department upon request or available on our website [www.epirez.com.au](http://www.epirez.com.au).

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