



# TECHNICAL DATA

## Supatuff Floor Coating

### *Supatuff FC*

#### Description

**Supatuff Floor Coating** is a durable medium duty two-part epoxy coating designed to provide abrasion and chemical resistance to concrete floors.

**Supatuff Floor Coating** has been especially formulated to provide fast dry and long work time for easy application. It can be applied at low temperatures (minimum 5°C) to provide a very hard wearing, colourful surface suitable for heavy foot traffic and rubber-tired vehicles.

**Supatuff Floor Coating** cures to a smooth semi-gloss finish which is easily cleaned.

**Supatuff Floor Coating** provides an economical and hard wearing surface for a wide range of applications.

Resistance to a wide variety of chemical spillage and fumes makes **Supatuff Floor Coating** ideal for use in industrial or marine environments.

#### Areas of Applications

- Car parks
- Pulp mills
- Refineries
- Dairies
- Sewerage treatment plants
- Computer access floors
- Vehicle workshops
- Warehouses
- Asphalt and concrete plants
- Construction and mining industry

#### Features

- Very fast "walk-dry" time
- Excellent wear resistance
- Superior to chlorinated rubber
- Minimises maintenance costs
- Pays for itself in reduced labour alone
- Full range of colours available
- Brightens working environment
- Excellent chemical resistance
- Easy application
- Easily cleaned

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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
Solids Content	: 50%
Mixing Proportions by Volume	: Equal parts Hardener & Compound
Work Time Per Pack	: 6 -8 hours at 25°C
Tack Free Time	: 2 hours at 25°C
Recoating Time	: 8 - 24 hours at 25°C
Cure Time	: 7 days at 25°C
Coverage Per Pack – Theoretical	: 164m <sup>2</sup> per coat at 63 micron DFT
Colours	: Full range available

## Coating Properties

Abrasion Resistance	: Excellent
Temperature Resistance	: Up to 100 <sup>0</sup> C Dry Heat

## Resistance to Chemical spillage (Cured 7 days at 25<sup>0</sup>C)

- |                          |                          |                           |
|--------------------------|--------------------------|---------------------------|
| • Ammonia Solution (20%) | • Food Emulsion          | • Sodium Chloride (50%)   |
| • Sulphuric Acid (30%)   | • Lubricating Oil        | • Fuel Oil                |
| • Hot Water              | • Sodium Hydroxide (30%) | • Hydrochloric Acid (20%) |
| • Aviation Fuels         | • Kerosene               | • Acetic Acid (5%)        |
| • Petrol                 | • Lactic Acid (5%)       | • Toluene                 |
| • Tannic Acid            |                          |                           |

Surface staining may result from exposure to some aggressive chemicals. Good housekeeping practice requires that spills be quickly removed and washed away.

## Estimating Data

23 kg Supatuff Floor Coating + 2 x 1 kg Colourpack = 82 m<sup>2</sup> (2 x 62.5 um 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 surface degreaser. Hose off with high pressure water.

Captive blast clean to expose firmly held aggregate to industrially accepted standards. Allow to dry before application.

Alternatively, acid etch using **Epirez Concrete Etch & Cleaner**. Neutralise surface by washing with fresh water and allow to dry.

#### Steel

Ensure that the surface is free from oil and grease. Abrasive blast clean in accordance with **AUSTRALIAN STANDARD AS1627:9 - 2002** to a profile of 50 microns. Coating of the prepared 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.

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#### AUSTRALIA

ITW Polymers & Fluids  
100 Hassall Street  
Wetherill Park NSW 2164  
Phone (02) 9757 8800 Fax (02) 9757 3855

#### NEW ZEALAND

ITW Polymers & Fluids  
18-26 Amelia Earhart Avenue  
Airport Oaks, Mangere, Auckland  
Phone (09) 256 2122 Fax (09) 256 2124

## Application

Add complete contents of 2 x selected **Colourpack** to Compound and mix thoroughly with a low speed (400 rpm) mixer before adding Hardener. Then add Hardener and mix again thoroughly.

**Supatuff Floor Coating** can be applied by brush or roller in two coats (minimum) to achieve 126 micron DFT. Thin first coat (if necessary) with up to 20%  $\frac{v}{v}$  **Epirez Epoxy Thinner**. Allow the coating to cure for 7 days prior to subjecting to chemical exposure.

For non-slip finishes, broadcast **Patching & Flooring Mortar Aggregate (QA2)** between coats using "spread and sprinkle" method.

## 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.

## Limitations

**Supatuff Floor Coating** should not be applied at temperatures below 5<sup>0</sup>C

**Supatuff Floor Coating** should not be applied to surfaces known to suffer from rising damp.

**Supatuff Floor Coating** is not recommended for application over tiles and is not suitable for use where it is subjected to high concentrations of chicken fat.

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

## 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.

## Storage and Shelf Life

Store in dry conditions between 10<sup>0</sup>C and 30<sup>0</sup>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 Floor Coating** is available in 23 kg packs containing Hardener and Compound in correct proportions for use. Two kits of a selected **COLOURPACK** must be added.

## Ordering Information:

<b>Supatuff Floor Coating</b> 23 kg	# 901122
<b>Colourpack</b> 1 kg	#Various (use 2 kits)

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## Safety Precautions

Follow normal coating precautions. Contents are flammable. Keep away from fire or naked flame. Keep contents away from children. If swallowed call a Doctor or Poisons Information Centre. When mixing or using, avoid skin contact or breathing of vapours. If splashed on skin, wash with warm soapy water. During application, wear protective clothing and where necessary, goggles and mask or respirator. Provide adequate fresh air ventilation.

**TDG Code:** **Supatuff Floor Coating** Hardener – UN2924 Compound - UN1993  
**Colourpack** Not Classified

## Note

The figures quoted for work time, cure time and coverage 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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