

# SUPATUFF™ HEAVY DUTY EPOXY COATING

## Heavy Duty Floor Coating

**Description:**

**EPIREZ® Supatuff™ Heavy Duty Epoxy Coating** is a high-solids, high build, epoxy-based coating which provides excellent chemical and abrasion resistance to steel, concrete, timber and other surfaces. This product can also be used to prepare easy-clean floor surfaces for a wide range of industrial and commercial applications. Please check with ITW Polymers & Fluids Technical Department for preparation of other surfaces not specified.

**EPIREZ® Supatuff™ Heavy Duty Epoxy Coating** has been especially formulated to provide long work time for ease of use.

It can be applied at low temperatures (minimum 5°C) and also over slightly damp concrete surfaces to produce a very hard wearing, colourful surface suitable for heavy foot traffic and rubber-tyred vehicles.

The exceptional resistance to a wide variety of chemical spillage and fumes makes **EPIREZ® Supatuff™ Heavy Duty Epoxy Coating** ideal for use in heavy industrial or marine environments.

**EPIREZ® Supatuff™ Heavy Duty Epoxy Coating** has been independently tested and meets the requirements of AS/NZS 4020 - 2005 for use in contact with potable water. **EPIREZ® Supatuff™ Heavy Duty Epoxy Coating** has been tested by the CSIRO and has a slip resistance rating of R12 as per AS 4586:2013 Appendix D.

**EPIREZ® Supatuff™ Heavy Duty Epoxy Coating** was previously named **EPIREZ® Supatuff™ HD**.

**Intended Use:**

- Abattoirs
- Pulp mills
- Refineries
- Dairies
- Sewerage treatment plants
- Food processing plants
- Plant rooms
- Vehicle workshops
- Asphalt and concrete plants
- Warehouses
- Water tanks and reservoirs
- Car parks

**Product Features:**

- **Protection for years, in minutes**
- **Approved for use in contact with potable water**
- **Minimises maintenance costs – pays for itself in reduced labour alone**
- **High build application – low applications costs**
- **Bonds to damp concrete**
- **Full range of colours available (with use of Colourpack)**
- 

**Estimating Data:**

8 L **EPIREZ® Supatuff™ Heavy Duty Epoxy Coating** + 1 x **EPIREZ® Colourpacks** = 22.5 m<sup>2</sup> (2 x 150 µm DFT)

16 L **EPIREZ® Supatuff™ Heavy Duty Epoxy Coating** + 2 x **EPIREZ® Colourpacks** = 45 m<sup>2</sup> (2 x 150 µm DFT)

**1 x EPIREZ® Colourpacks required for each 8 L kit**  
**2 x EPIREZ® Colourpacks required for each 16 L kit**

**Typical Physical Properties:**

Mixing Ratio by Volume	Equal parts Hardener & Compound
Work Time @ 25°C	3 hours
Tack Free Time @25°C	6 hours
Recoat Time @25°C	16 – 48 hours
Hardening Time @25°C	24 hours
Cure Time	7 days at 25°C
Solids Content	85%
Colours:	Range of colours available (with use of Colourpack)
Abrasion Resistance	Excellent
Temperature Resistance	Up to 96°C Dry Heat

**Resistance to Chemical Spillage (Cured for 7 days at 25°C)**

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

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

**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 industry 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 AS1627:4-2005 to a Class 2½ near white metal finish. 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.

**Mixing Instructions:**

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

**Application Instructions:**

**Supatuff™ Heavy Duty Epoxy Coating (HD)** can be applied by brush, roller or airless spray in two coats (minimum) to achieve 300 micron DFT. Thin first coat (if necessary) with up to 20% v/v **Epirez® Epoxy Thinner**. Allow the coating to cure for 7 days prior to subjecting to chemical exposure.

For non-slip finishes, broadcast **Epirez® Patching & Flooring Mortar Aggregate (QA2)** between coats using “spread and sprinkle” method



<b>Storage:</b>	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 two years.				
<b>Clean Up:</b>	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.				
<b>Precautions:</b>	<p><b>Supatuff™ Heavy Duty Epoxy Coating (HD)</b> should not be applied at temperatures below 5°C.</p> <p><b>Supatuff™ Heavy Duty Epoxy Coating (HD)</b> should not be applied to surfaces known to suffer from rising damp.</p> <p><b>Supatuff™ Heavy Duty Epoxy Coating (HD)</b> is not recommended for application over tiles and is not suitable for use where it is subjected to high concentrations of chicken fat.</p>				
<b>Warranty:</b>	Epirez will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.				
<b>Disclaimer:</b>	All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Polymers & Fluids and EPIREZ® makes no representations or warranties of any kind concerning this data.				
<b>Order Information:</b>	<table><tr><td>8Ltr</td><td>E992850</td></tr><tr><td>16Ltr</td><td>E992827</td></tr></table>	8Ltr	E992850	16Ltr	E992827
8Ltr	E992850				
16Ltr	E992827				
<b>Health &amp; Safety Information:</b>	For Health & Safety information, refer to Safety Data Sheet available from ITW Polymers & Fluids upon request or available on our website <a href="http://www.epirez.com.au">www.epirez.com.au</a> or <a href="http://www.epirez.co.nz">www.epirez.co.nz</a>				

**AUSTRALIA**  
ITW Polymers & Fluids  
100 Hassall Street  
Wetherill Park NSW 2164  
Phone (02) 9757 8800  
[www.itwpf.com.au](http://www.itwpf.com.au)

**NEW ZEALAND**  
ITW Polymers & Fluids  
Unit 2 / 38 Trugood Drive  
East Tamaki 2013, Auckland  
Phone (09) 272 1945  
[www.itwpf.co.nz](http://www.itwpf.co.nz)