



**HYCHEM**  
EPOXY SYSTEMS

# HYCHEM SF20FG

Heavy duty, anti-slip epoxy coating

Hychem SF20FG is a high solids, chemical resistant, epoxy coating with built-in fine grit anti-slip additive that provides a fine non-slip surface which remains easy to clean.

## USE

It is suitable for the in protection of concrete surfaces in walkways, workshops and production facilities subject to foot and vehicular traffic against abrasion and chemicals.

## FEATURES AND BENEFITS

- Chemical resistant to petroleum oils, solvents, acids & alkalies, and hot fats.
- Durable – high solids (85%) provides a 300 micron DFT (two coat application).
- Slip resistant – a fine non slip providing a medium between slip resistance and cleanability.
- Wear resistant – hard wearing even in harsh and punishing environment.
- Colour stability – good UV stability.
- Low gloss finish – aesthetically pleasing, easy to maintain.
- Wide colour range – available in many colours (colour matching on request).

## TYPICAL APPLICATIONS

- Dairy food manufacturing
- Food and beverage production
- Margarine and oil products processing
- Abattoirs, poultry and smallgoods preparation
- Commercial kitchens and bars
- Assembly plants
- Walkways and safety markings in shopping centres and public facilities

## PHYSICAL PROPERTIES @ 25°C, 50 % RHRH

Solids content	85%
Pot life	30 mins
Mix ratio by volume (Resin:Hardener)	1:1
Tack free time	8 hours
Cure time	24 hours - foot traffic 7 days - full cure
Re-coat time	12 hours
Film thickness per coat	125-150 microns
Slip resistance ANZ4586:2004	R10
Colour stability	Excellent indoors

## CHEMICAL RESISTANCE @ 25°C HIGHLY RESISTANT EVEN IN CONSTANT EXPOSURE SITUATIONS

ACIDS	ALKALIS	OILS	MISCELLANEOUS	SOLVENTS		
Acetic	15%	Ammonium	20%	Crude oil	Antifreeze	Toluene
Citric	5%	Potassium	20%	Mineral oils	Brake fluid	Turpentine
Hydrochloric	20%	Sodium hydroxide	20%	Motor oil	Gasoline	White
Nitric	10%	Sodium	16%	Vegetable oils	Jet fuel	Xylene
Phosphoric	20%			Fats	Skydrol	
Sulphuric	20%					

## APPLICATION GUIDELINES

### Cost effective system

Hychem SF20FG can be applied as a two coat application for cost effectiveness.

### Optimum performance system

Hychem SF20FG Flooring System consisting of first coat of Hychem GP Primer, followed by two coats of Hychem SF20FG and top coated with one seal coat of Hychem Epoxy Glaze 3 is recommended for ultimate aesthetic quality and long term serviceability.

### Surface preparation

- Concrete substrate shall be firm, clean and dry with a compressive strength of 25 MPa and surface tensile strength of 1.5 MPa minimum.
- New concrete must be allowed to cure for a minimum of 28 days.
- Repair imperfections (holes and cracks) with an epoxy patching compound such as Hychem GP where necessary.
- Remove surface laitance, contaminants, coatings, curing compounds and all weak and loose materials.
- Prepare concrete surface by Diamond Grinding or light Shot Blasting to provide the appropriate surface profile for optimum mechanical keying.

### Priming

- Priming is generally not required.
- Where necessary, apply Hychem GP by roller at a rate of 6-8m<sup>2</sup> per litre.

## MIXING

Mix only enough quantity that can be applied within the work life which is temperature dependent.

- For Hychem SF20FG Neutral, add colour pigment into the Component A (Resin) and mix until homogeneous (1 minute) using a helical mixer at a speed of 500 rpm.
- Mix Hychem SF20FG liquid components (Resin & Hardener ) together using a helical mixer at a speed of 500 rpm until the mix becomes homogeneous (1.5 to 2 minutes).
- Move the mixer around from side to side and top to bottom and scrape the sides of the mixing vessel to ensure thorough mixing.

## APPLICATION

- Apply **Hychem GP Primer** using a medium nap roller at a coverage rate of 6-8m<sup>2</sup> per litre depending on the coarseness of the sub-floor surface. Allow to cure for a minimum of 12 hours or over-night but less than 24 hours.
- Apply first coat of **Hychem SF20FG** using a medium nap roller at a coverage rate of 6-8m<sup>2</sup>. Allow to cure as above.
- Apply second coat of **Hychem SF20FG** at a coverage rate of approximately 8m<sup>2</sup> per litre. Allow to cure as above.
- Apply **Hychem Epoxy Glaze 3** as the final seal coat at a coverage rate of approximately 8-10m<sup>2</sup> per litre.

## CLEAN UP

Xylene can be used for cleaning tools and equipment before the mixed compound begins to harden.

## COVERAGE

First coat	Approximately 6 m <sup>2</sup> /litre
Second coat	Approximately 8 m <sup>2</sup> /litre

## SAFETY PRECAUTIONS

- Wear gloves, eye protection and overalls during mixing and application.
- Ensure there is adequate ventilation and avoid breathing the vapour

## PACKAGING

COLOUR	KIT SIZE	NO. OF COLOUR PACK REQUIRED
Neutral	7.25 Litre	1 X 0.75 Litre
Neutral	21.75 Litre	1 X 2.25 Litre
Colour	8 Litre	N/A
Colour	24 Litre	N/A

## SHELF LIFE

12 months from date of manufacture, stored under shelter at 25°C in original un-opened container.

### NOTE: Customer responsibility

The technical information and application advice here given is based on the best information available at the time of print. As the information herein is of a general nature, no assumption can be made as to the products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation.

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