



HEAVY DUTY / ANTI-SLIP

EPOXY COATING



HYCHEM
EPOXY SYSTEMS

SF20FG DATA SHEET

HEAVY DUTY, ANTI-SLIP EPOXY COATING

DESCRIPTION

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.

TYPICAL APPLICATIONS

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

FEATURES & BENEFITS

- › Chemical Resistant to petroleum oils, solvents, acids & alkalies, 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).

PHYSICAL PROPERTIES (@ 25°C, 50 % RH)

- › **Solids Content:**
85%
- › **Pot Life:**
30 mins
- › **Mix Ratio by Volume:**
1 : 1 (Resin: Hardener)
- › **Tack Free Time:**
8 hrs
- › **Cure Time:**
Foot Traffic - 24hrs; Full Cure - 7 days
- › **Re-coat Time:**
12 hrs
- › **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 spirit
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 6-8 m²per 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 and 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 scrap the sides of the mixing vessel to ensure thorough mixing.

Applying Hychem SF20FG Flooring System

- › Apply Hychem GP Primer using a medium nap roller at a coverage rate of 6 to 8 m² 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 to 8 m². Allow to cure as above.
- › Apply Second Coat of Hychem SF20FG at a coverage rate of approximately 8 m² per litre. Allow to cure as above.
- › Apply Hychem Epoxy Glaze 3 as the Final Seal Coat at a coverage rate of approximately 8 - 10 m² per litre.

Clean Up

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

SAFETY PRECAUTIONS

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

PACKAGING

Neutral

<u>Kit size</u>	<u>Colour Packs Required</u>
7.25 Lt	1 x 0.75 Lt
21.75 Lt	1 x 2.25 Lt

Colour

<u>Kit size</u>	<u>Colour Packs Required</u>
8 Lt	N/A
24 Lt	N/A

COVERAGE

1st Coat - approx. 6 m²/per litre

2nd Coat - approx. 8 m²/per litre

SHELF LIFE

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

DISCLAIMER

Field Support

Field support where provided, does not constitute supervisory responsibility. Suggestions made by HYCHEM either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they and not HYCHEM are responsible for carrying out procedures appropriate to a specific application.

Customer Responsibility

The technical information and application advice given in this publication 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 product 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. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.



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