



**HYCHEM**  
EPOXY SYSTEMS

# HYCHEM SF25

Low VOC, hard wearing, waterproof and oilproof epoxy paint

HYCHEM SF25 is a pigmented, two-component, economical, water-based epoxy coating with low odour and low volatile organic compound emission. It is hard wearing, has excellent antislip characteristics, is waterproof and also resistant to oils and solvents.

## USE

HYCHEM SF25 is designed for use as a broad area coating for concrete car park decks, exhibition centres and warehouse floors subject to vehicular and pedestrian traffic.

## TYPICAL APPLICATIONS

- Institutions, schools, colleges, corrective services, community buildings
- Commercial car parks and domestic garages
- Food processing and automotive centres
- Pharmaceutical manufacturing
- Shopping centres
- Factories and warehouses
- Back of house areas, corridors, stock and plant rooms

## FEATURES AND BENEFITS

- Durable with excellent abrasion resistance
- Excellent antislip characteristics, provides R10-R11 finish with choice of antislip aggregate
- Resistant to petroleum oils, solvents and commercial cleaning agents
- Waterproof – resists permanent ponding water
- Low VOC emission – complies with Green Star requirements
- Good adhesion to concrete and most building material and other coating or topping systems
- Low odour
- Water-based – non-flammable, non-toxic and environmentally friendly
- Easy application – by roller or airless spray for fast installation

## PHYSICAL PROPERTIES (@ 25°C)

Specific gravity (as manufactured)	kg/ltr
Volume solids	38% (as manufactured) 30% (with water dilution)
Pot life	1-2 hrs
Mix ratio by volume (Resin:Hardener)	1:3
Initial cure	24 hrs
Full cure	7 days – trafficable and exposure to water
Abrasion resistance (1 kg load, H022 wheel)	30 mg/sqm/1000 rev
Slip resistance (AS/NZS 4586 2004)	R10-R11 with appropriate antislip aggregate

## APPLICATION GUIDELINES

### Surface preparation

- Concrete substrate shall be firm, clean and free of curing agents
- 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 E500T where necessary

### Mixing (15 litre pack)

Add the 3 litre resin pack to the 9 litres of hardener and mix thoroughly for a minimum of 2 minutes. Once mixed, blend in up to 3 litres of water, using less water for heavy wear areas such as ramps and entry ways.

### Applying

Before applying, allow the mixed components to stand for 3 minutes, this results in a better consistency of surface finish.

For lightly trafficked surfaces such as foot traffic and car park deck:

- Apply a minimum of 2 coats (allow 24 hour cure between coats) at a rate of 8 sqm/litre.
- This will yield a dry film thickness of 120 - 125 microns

For heavy trafficked areas such as turning circles, ramps and entry and exit lanes:

- Apply first coat at a rate of 8 sqm/litre. Allow to cure overnight
- Apply a second coat and lightly sprinkle alumina 80 antislip into coating
- Apply a third coat when second coat has cured

## COVERAGE

Airless spray 7-9 sqm/litre

Roller 6-8 sqm/litre, depending on the porosity and texture of the surface

## ENVIRONMENTAL PRECAUTIONS

HYCHEM SF25, like other water based paints must not be applied when the prevailing humidity is above 80% or the air temperature is below 10°C, as this will impair the curing process. Subsequent warming will not correct the situation, film quality will be permanently affected.

Pot life must not be exceeded and any unused material must be discarded.

## SAFETY PRECAUTIONS

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

## PACKAGING

Kit size	Resin	Hardener	Water
15 Ltr	3 Ltr	9 Ltr	3 Ltr

## SHELF LIFE

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

### 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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