



HYCHEM
EPOXY SYSTEMS

HYCHEM WP95

Water-based polyurethane

Hychem WP95 is a pigmented, two-component, water-based polyurethane coating with low odour and VOCs (volatile organic compounds). It is hard wearing, UV stable and oil proof. Aggregates can be incorporated to achieve desired slip resistance.

USE

Hychem WP95 is used as a coloured, non-yellowing coating for a variety of surfaces including concrete, timber, MDF, particle board, fibro, plywood and metal (requires appropriate primer). The product is suitable for both indoors and outdoors.

FEATURES AND BENEFITS

- Interior/exterior applications
- Non yellowing
- Water based
- Excellent wear resistance
- Very good chemical and stain resistance
- Very good scratch resistance
- Low VOC emission
- Low odour
- Anti-slip surface possible

TYPICAL APPLICATIONS

- Schools and institutions
- Garages
- Steel coating
- Stock and plant rooms
- Workshops

CHEMICAL RESISTANCE

ACIDS	ALKALIS	OILS	MECHANICAL FLUIDS
Hydrochloric 10%	Ammonium Hydroxide 20%	Crude	Skydrol
Nitric 10%	Sodium Hydroxide 20%	Mineral	Brake Fluid
Sulphuric 10%	Potassium Hydroxide 20%	Engine	Petrol
Phosphoric 10%	Bleach	Vegetable	Antifreeze
Xylene/butanol blend	200	200	125

APPLICATION GUIDELINES

WP95 can be rolled, brushed or airless spray applied. It can be diluted up to 20% with water for easier application.

This product should be applied at temperatures above 10°C and below 80% humidity.

Approximate application data for 20°C and 65% relative humidity:

Mix ratio by weight (Resin:Hardener)	4:1
Pot life	2 hours
Tack free time	3 hours
Recoat time	7 hours
Hard cure time	24 hours
Full cure	5 days

Apply 2 coats at 8m² per litre. Dry film thickness approximately 150µm.

Surface preparation

- Concrete substrate shall be firm, clean and dry with a compressive strength of 25MPa and surface tensile strength of 1.5MPa minimum.
- New concrete must be allowed to cure for a minimum of 14 days.
- Repair imperfections (holes and cracks) with an epoxy patching compound such as Hychem GP where necessary.
- Remove surface laitance, contaminants, coating, curing compound and all weak and loose materials.
- Prepare concrete surface by water blasting or diamond grinding to provide the appropriate surface profile for optimum mechanical keying.

It is recommended to prime concrete surfaces with Hychem 100 before application.

Mixing – do not mix resin, hardener and water at the same time.

- Resin and hardener must be mixed before the addition of any water.
- Mix with a jiffy mixer at a speed of 500 rpm to avoid incorporating excessive air into the mix.
- Mix for 2 minutes, scrape down the sides of the mixing container and mix for another minute to ensure the mix is homogeneous.
- Up to 20% water can be added and mix until completely homogenous.

Applying

Smooth finish

- Apply by brush, roller or airless spray at a rate of 8sqm/litre. Apply 2 coats.

Non-slip finish

- If a fine non-slip finish is required, it is possible to mix approximately <100# aggregate into WP95 and roll for even distribution.
- If a coarser non slip finish is required then aggregate should be broadcast into the wet applied product and sealed with one or more subsequent coats.

PACKAGING

5kg	This kit will cover approximately 20m ² with 2 coats.
20kg	This kit will cover approximately 80m ² with 2 coats.

Safety precautions

Wear gloves, eye protection and overalls during mixing and application.

SHELF LIFE

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

Disclaimer

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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Head Office

3/19 Burns Road, Heathcote NSW 2233

T 02 9548 2186 F 02 9520 2522 E admin@hychem.com.au W www.hychem.com.au