HYCHEM PA GLAZE3

DATA SHEET

HYCHEM
EPOXY SYSTEMS

Hychem PA GLAZE3 is a highly versatile polyaspartic product utilising the latest premium technology. It comprises of a 2 component aliphatic technology delivering a durable protective coating with an excellent decorative finish and UV colour stability. It has excellent long term resistance to external weathering. PA GLAZE3 is rapid curing and has very low odour.

FEATURES AND BENEFITS

- Excellent wear resistance
- Fast curing times
- Re-coatable in 4–6 hours
- Excellent chemical and stain resistance
- Excellent scratch resistance
- Low temperature curing
- Excellent adhesion to a variety of substrates
- Excellent UV resistance, non yellowing and high gloss
- Ideal for interior and exterior use
- High build glass-like finish
- Easy application
- Low odour
- Solvent wash up
- No flammability hazard
- Clear coat and coloured version available

TYPICAL APPLICATIONS

- Ideal as a protective/decorative clear coat over Hychem epoxy coatings
- As a top coat for most concrete and masonry finishes
- Factory, warehouse, garage, restaurant, retail and industrial floors
- Drive ways, walk ways, corridors, steps, walls, balconies
- Bonds to virtually all substrates including metals, wood, concrete and fibreglass

Add suitable aggregate to conform to a range of slip resistance specifications.

CHEMICAL RESISTANCE

Excellent resistance to many chemicals. For 7 day immersion in:

CHEMICAL	HYCHEM PA GLAZE3
Petrol	No effect
Brake fluid	No effect
Skydrol	No effect
Coolant or Anti-freeze	No effect
Ammonium hydroxide	No effect

PRODUCT CHARACTERISTICS

Active ingredients	2 component polyaspartic (aliphatic polyurea)
Gloss level	Gloss
Colour	Clear
Mixing ratio	2:1 by weight
Solids content (mixed)	100%
Pot life	20 minutes
Touch dry	Touch dry 4 hours Foot traffic 5–6 hours
Re-coat	Within 6 hours
Full cure	24–36 hours
Density	1.08
Application temperature	2°C – 25°C
Odour	Low
Spread rate	5–10m² per litre

APPLICATION

Surface preparation on concrete

Surface must be clean and sound, free from oils, dust, chalk mildew and any other contaminants. If any of these are present then remove accordingly, either by scraping, sanding or power washing. Mildew must be removed with an appropriate solution.

Further preparation such as, grinding, shot blasting are essential for optimum adhesion.

An appropriate primer should be used prior application of PA GLAZE3. Hychem recommends Hychem WE70 or Hychem 100W as a primer to concrete.

When applying PA GLAZE3 over an existing new or old epoxy, it is recommended to abrade the surface slightly to reduce surface gloss and ensure not only adhesion but surface finish quality as “surface tension” can sometimes be an issue.

Surface preparation on timber, plastic or metal substrates

Please contact Hychem technical department for advice.

Pre-conditioning product

It is important to note that even when the application environment is warm, products which have been stored in cold or cooler conditions should always be pre-conditioned ideally to 20–25°C to ease mixing, application and help avoid other potential issues such as amine bloom or blushing.

Applying a cold product in a warm environment is not recommended.

Mixing

- Mixing ratio is 2:1 by weight (2 x Part A : 1 x Part B)
- Mix Part B into Part A and stir thoroughly until the mixed product has a uniform consistency
- It is recommended that a mechanical stirrer is used for this process to achieve optimum uniformity
- Add PU Estasol Solvent to adjust the viscosity if necessary
- Put lid on the mixing bucket and only pour out as much product as you require.

Application

- By roller, brush or spray
- High humidity will reduce drying time and curing rate
- Ensure adequate air movement
- Clean up – Xylene

PACKAGING

KIT SIZE	NO. OF COLOUR PACK REQUIRED
8 Litre	N/A
40 Litre	N/A

COMMENTS

The pot-life is approximately 20 minutes but is longer if the initial viscosity is lower.

Discard any leftover mixed material after this time.

Do not re-seal mixed product as pressure build up may occur.

For safety see the Material Safety Data Sheets.

Actual cure times will be dependent on climatic conditions including air temperature, relative humidity and air movement.

All information is given in good faith without warranty.

Users are encouraged to assess the product under their own conditions and for their own applications.

SHELF LIFE

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

SAFETY PRECAUTIONS

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

WARNING – ENVIRONMENTAL CONDITIONS

Temperature and the surrounding atmospheric conditions will play a part in the curing process of all epoxy products. Under conditions of low temperatures and high humidity the final cured surface finish can be adversely affected potentially resulting in poor gloss retention, discolouration over time, poor overcoatability and intercoat adhesion. Quite often these conditions will result in the formation of a white film over the surface often evident after contact with water. This chemical reaction with the atmosphere is commonly referred to as “amine bloom” or “amine blush”.

If this occurs then the existing coating will need to be abraded to completely remove the affected surface to ensure the adhesion of subsequent applications. In some cases partial or complete re-priming may be necessary.

Attention also needs to be paid to the substrate temperature which should be at least 3°C and preferably 5°C above the dew point during the curing phase.

Industry standards recommend the accurate recording of times and dates, batch numbers, consumption rates and environmental conditions including substrate and air temperatures, humidity levels and dew point readings during both the application and curing processes. Full material warranties cannot be provided unless all the relevant data has been recorded accurately.

If in doubt consult the Hychem technical department for advice.

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