

HYCHEM PA GLAZE 3

DATA SHEET



HYCHEM
EPOXY SYSTEMS

Hychem PA GLAZE 3 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 GLAZE 3 is rapid curing and has very low odour.

USE

PA GLAZE 3 is designed for use as an alternative to solvent based clear aliphatic polyurethanes where the solvent content of the polyurethanes prevent their use. No Flammability or health concerns due to odour hazards.

Ideal for use on honed concrete finishes, PVC / Flake Flooring, metallic and decorative quartz toppings

FEATURES AND BENEFITS

- Non-yellowing and weather resistant
- APAS approved
- Excellent wear and scratch resistance
- Excellent chemical and stain resistance
- High gloss glass-like finish
- Re-coatable in 4-6 hours
- Ideal for interior and exterior use
- Can be pigmented
- Very Low VOC solventless composition
- Full chemical mechanical cure in 24-36 hours

TYPICAL APPLICATIONS

- Schools
- Amenities
- Prisons
- Universities
- Automotive workshops
- Aircraft hangars
- Garages
- Shopping Centres

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 GLAZE 3
Petrol	No effect
Brake fluid	No effect
Skydrol	No effect
Coolant or Anti-freeze	No effect
Ammonium hydroxide	No effect

PRODUCT PROPERTIES

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	10°C - 25°C
Odour	Low
Spread rate	5-10m ² per litre
Anti-slip	R9-R13 or P0-P5 dependant on size and amount of aggregate - consult Hychem

APPLICATION

Surface preparation on concrete

Prior to the application of Hychem PAGLAZE3, the substrate must be adequately prepared.

The concrete substrate must be firm, clean and dry with a compressive strength of 25 MPa and a minimum surface tensile strength of 1.5 MPa. Moisture content must not exceed 6%.

New concrete must be allowed to cure for a minimum of 28 days.

Remove all surface laitance, contaminants, existing coatings, curing compounds and any weak or loose materials.

Prepare the concrete surface by Grinding, Shot Blasting, Scarifying, Ultra High Pressure Water Jetting or Scabbling to provide the appropriate concrete surface profile (CSP) for optimum mechanical keying.

The extent of surface preparation required is dependant upon but not limited to the thickness of the coating system to be applied. It is highly recommended surface preparation is carried out in accordance with industry standards and publications such as NACE 02203 item No. 22420 or ICRI Technical Guideline No. 03732.

Surface preparation on timber, plastic or metal substrates

Please contact Hychem technical department for advice.

Priming (if required)

Prior to the application of Hychem PAGLAZE3 and dependant on application, the substrate may require priming with GLAZE 2 OR Hychem GP.

Applying

Into a suitable size vessel add 2 kgs part A resin to 1 kg part B hardener, mix thoroughly with a low speed mechanical stirrer for 3 minutes or until complete uniformity is achieved. For ease of application this product may be diluted with Solvent X.

Apply the mixed product by roller, brush spray and or squeegee. Coverage rates will vary but you may use the following as a guide: 5-7m²/litre for smooth primed surfaces. For PVC/Flake Floors, 6m²/litre for first coat, 7m²/litre second coat and 8m²/litre for final coat. For broadcasted floors this may be as low as 2-3m²/litre.

Consult Hychem for further information.

Mixing

Part A resin - 8 kgs
Part B hard - 4 kgs

PACKAGING

12 kgs yields 11 litres

60 kgs yields 55 litres

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.

NOTE: Customer responsibility

The technical information and application advice given here 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.

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.

If unsure contact Hychem for further technical advice before proceeding.