

POLYGLAZE NY

Clear non-yellowing polyurethane coating



HYCHEM
EPOXY SYSTEMS

Polyglaze NY is a tough, flexible sealer that provides a clear non-yellowing finish to concrete and epoxy coatings. It has excellent abrasion, scratch and stain resistance.

USE

Polyglaze NY is ideally suited as a finish coat to seamless epoxy flooring. It contains UV absorbers which help protect the epoxy undercoats from UV light and thus reducing the yellowing tendencies of epoxies upon exposure to sunlight or other UV sources.

Polyglaze NY produces a gloss finish which is resistant to outdoor exposure, making the product useful as a topcoat for water based epoxy coatings such as HYCHEM WE90 in outdoor environments.

TYPICAL APPLICATIONS

The product can be applied to:

- Ground concrete slabs
- Benchtops & stone furniture
- Floor tiles exposed to restaurant grime
- Tilers & paving slabs in walkways and public squares
- Brickwork & precast walls of public structures

PRODUCT APPLICATION

The surface must be clean and dust free.

Apply product with a short nap mohair roller.

Polyglaze NY should be applied when the temperature is 15–30°C and relative humidity below 75%.

A second coat should be done once first coat is dry and within 24 hours.

If a maintenance coat or re-coating beyond that window is required, then the surface should be sanded.

Light foot traffic can resume after 24 hours and heavier traffic a minimum 48 hours.

Full chemical resistance is achieved after 7 days.

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.

TECHNICAL DATA

Colour	Light yellow, clear coating
Viscosity	90 MPa @ 30°C
Specific gravity	0.95
Solids content	45%
Coverage	8–10 sqm/litre
Water resistance	Excellent
Chemical resistance	Good resistance to acids, alkalis, alcohols, aromatic hydrocarbons, brake fluid, diesel, and machine oil.
Packaging	20 litres

PACKAGING

Available in 4 litre tins and 20 litre pails.

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.