

HYCHEM SPECIFICATION



HYCHEM MOTORTUFF – PREMIUM 4-LAYER FLOORING SYSTEM FOR AUTOMOTIVE, TRUCK AND BUS WORKSHOPS

PRODUCTS

- Hychem GPT
- Hychem SF20FG
- Hychem PA300
- Hychem Hyflex NS
- Hychem PA315

SYSTEM DESCRIPTION

A seamless, UV stable, chemically resistant, hygienic and hard-wearing system designed to tolerate high vehicular traffic and impacts.

Specification

General epoxy flooring – parking/workshop/workbay areas

Preparation

The existing surface is to be mechanically prepared by diamond grinding the surface with 30/# medium bond diamonds. The prepared surface shall show a minimum CSP 2.

Prime Coat

Apply Hychem GPT Epoxy at 4m² / litre and broadcast Hychem 18/40 sand aggregates to 50% coverage

Scratch coat

Apply Hychem GPT at 1L/sqm and broadcast Hychem 30/60 (or selected aggregate) to 100% coverage

First Pigmented Base Coat

Vacuum floor surface to remove aggregate not adhered to the scratch coat. Apply Hychem SF20FG pigmented at 2.5m²/ltr.

Second pigmented coat

Apply Hychem PA315 pigmented at 7-8m²/ltr.

Floor Joints

Recut existing construction joints and fill with Hychem Hyflex NS pigmented the same colour as the floor (Hyflex NS elongation is +- 5% so suitability for specific project joints must be confirmed)

Curing and linemarking

After final application of Hychem PA315 and Hyflex NS, Hychem epoxy linemarking can be applied. The coated surface is allowed to cure for 24 hours for light foot traffic and 36 hours for mechanical traffic.



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Refer to Data Sheets for more specific information on application, recoat windows and environmental information.

Application techniques and coverage may vary depending on actual site conditions.

APPLICATION GUIDELINES

The concrete substrate must be firm, clean and dry with a minimum compressive strength of 25 MPa and a minimum surface tensile strength of 1.5 MPa.

- Thoroughly read technical data sheets prior to applying.
- 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 to provide the appropriate concrete surface profile (CSP) for optimum mechanical keying.
- The extent of surface preparation required is dependent 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.
- Moisture content must not exceed 5% and ensuring no negative pressure
- Attention also needs to be paid to the substrate temperature which should be at least 3-5° C above the dew point during the curing phase.
- Industry standards recommend the accurate recording of environmental conditions such as substrate & air temperatures, humidity levels and dew point readings during both the application & curing processes. Full material warranties cannot be provided unless all the relevant data has been recorded accurately.
- No induction required
- Maximum open times between coats is 48 hours