



IF 24 EP

Solvent Based Epoxy Coating

Pack Size

25Kgs, 10Kgs

TDS
Technical Data Sheet



Description

IF 24 EP is designed for industrial environments where a durable, easily cleaned surface is essential. This solvent-based epoxy coating is ideal for use in workshops, production and processing areas, dairies, bottling plants, breweries, kitchens, and any floor areas subject to wet working conditions.

Features

Durable and hard-wearing with low maintenance costs. Easily cleaned and provides a glossy finish. Available in a range of colors.

Standard Colors

Available in any standard RAL shade upon request.

Surface Preparation

Ensure the surface is sound, clean, and dry before application to guarantee maximum adhesion. IF 24 EP is designed as a thin coat application, which may reflect the substrate's texture. As such, the substrate should be flat, lightly textured, and free of any barriers like paint, lime coatings, curing agents, or adhesive residues. A two-coat application is recommended for optimal performance.

Substrate Preparation

The concrete surface must be hard, sound, and free of dust and other barrier materials that could inhibit adhesion. Use a suitable degreaser to remove contaminants like grease, oil, or wax. Mechanically prepare the surface by grinding or shot blasting, and vacuum clean before applying IF 24 EP. For highly porous surfaces, a priming coat of CLI IF 3 E Solvent Based Epoxy Primer is recommended. For dense surfaces or those with rapid-setting screeds, an appropriate primer should be applied.

Mixing

Stir the contents of Part A and Part B separately before combining. Pour the entire contents of Part B into Part A and mix thoroughly for at least 3 minutes using a heavy-duty slow-speed drill with a spiral paddle. Reintroduce some of the mixed components back into the Part B container to activate any residue, then pour back into the larger mixing vessel and mix for an additional 30 seconds. This ensures product consistency and helps any leftover resin in the containers to cure, simplifying waste disposal.

Coating

Immediately pour the mixed IF 24 EP onto the prepared surface and distribute evenly using a brush or short/medium pile roller. Ensure the entire surface is coated without 'ponding' of the material. Apply a second coat once the first coat has initially dried, typically within 8 to 10 hours. Ventilation and air movement are necessary to facilitate drying.

Slip Resistant Finish

For improved slip resistance, apply a scatter of Fine Aggregate into the wet coating after the first coat of IF 24 EP. Apply a second coat to encapsulate the aggregate. Note that this will reduce the overall coverage rate.

Limitations

Do not apply at temperatures below 10°C or in conditions where the ambient relative humidity exceeds 85%. The wear rate of the coating may increase in high-traffic areas like doorways or workbenches. In such cases, additional coats or a higher-performance treatment may be required. Once the mixed material has exceeded its pot life, the viscosity and characteristics of the product will change, and any unused material should be discarded.

Physical Properties

Pot life at 27±1°C:	2-3 hours
Walkability:	8-10 hours
Full cure:	7 days
Dry film thickness:	100 microns per coat (for two or more coats)
Bond strength after 7 days:	> 2.0 N/mm ²

Cleaning

Clean tools and equipment immediately after use with CLI RTC 100. Hardened material must be removed mechanically.

Coverage

250grams/square metre/coat at 100 microns per coat.

Storage and Shelf

Life Store IF 24 EP in cool, dry, shaded conditions, away from direct contact with the floor. When stored correctly, IF 24 EP has a shelf life of 9 months

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Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

Legal Disclaimer

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