

Technical Data Sheet

Indopoxy IK.990

Epoxy Floor Paint

Product Description

IK.990HS is specifically developed as approximate 100% solid protection system to various types of floor and wall surfaces. It is a self levelling, easy to apply coating, leaving a seamless surface. It has excellent chemical, abrasion and impact resistance. Can be applied directly in two coats or on IK.930 floor primer depending on the conditions of the concrete substrate.

Recommended Use

Indopoxy IK.990 is suitable to use on most concrete floor surfaces in conjunction with appropriate primer for warehouses, garages, chemical or cement plants, factories, aircraft hangars etc. It has high order of resistance to abrasion, chemical spillage and mechanical damage.

Physical Data

Colour	: Limited Shades
Finish	: Glossy (70-85GU at 60° angle)
Solid by Volume	: 98 ± 2%
Flash Point	: 90° C
Shelf Life	: 12 months

Film Thickness

Recommended film thickness per coat

Dry Film Thickness	: 200-400μ in single coat
Wet Film Thickness	: 205-410μ in single coat
Theoretical Coverage Rate	: 5.00 sq.mt / lit at recommended DFT of 200μ

Coverage rate depends on film thickness applied, type of floor texture, surface porosity, imperfections, temperature, wastage during painting etc.

Surface Preparation

All surfaces to be coated should be clean, absolutely dry and oil or moisture free before painting application. Oil and grease should be removed by solvent cleaning.

New Concrete Surface: Concrete should be cured for a minimum of 30 days prior to coating. The moisture content of the concrete should be below 5%. All surfaces should be clean, dry and free from curing compounds, release agents, trowelling compounds, surface hardeners, grease, oil, dirt, old coatings. All poured and precast concrete must also be sweep blasted (preferred) or acid etched to remove laitance. In fact laitance deposits are best removed by Planetary diamond disc grinder or by captive blasting followed by vacuum cleaning to remove dust debris.

Existing Coating: Old concrete need to check first for adhesion to the substrate and then should be coated with IK.930 primer before floor painting. To avoid air bubbles, it is very important to pierce the coating with a spiked roller when desired film thickness is achieved.

Application Data

Application Method	: Brush/ Roller
Mixing Ratio	: 2 Part (Base) : 1 Part (Hardener)
Pot Life	: 30 mins at 30°C
Cleaner	: Indopoxy Epoxy Thinner (IK.1501)

Application Precautions: The temperature of the substrate should be minimum 10 °C and at least 3 °C above the dew point of the air. Good ventilation is usually required in confined areas to ensure proper drying. The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

This product should not be applied on to the surfaces which are known to, or likely to suffer from, rising dampness, potential osmosis problems or have a relative humidity greater than 80%.

Working Precautions: Mixed material should not be allowed to remain in containers, pipeline, hoses, gun or spray equipment. Thoroughly flush all equipment with IK.1702 thinner. Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages, the work should recommences with freshly mixed units.

Drying Characteristics

Surface Dry	: 60 mins
Touch Dry (Walk On Dry)	: 10 Hours
Hard Dry	: 24 Hours
Overcoating Interval	: Minimum 10 Hours, Maximum 2 Days
Ready for Service	: 3 Days

Drying and curing times are determined at 30°C under controlled temperatures and relative humidity below 85 %, and at average of the DFT range for the product.

Compatibility

Previous Coating	: Self, Epoxy Floor Primer, Epoxy Solventless Coatings
Subsequent Coating	: Epoxy Topcoats, Polyurethanes Topcoats

Packaging

Epoxy Floor Paint Base	: 3.33 Ltrs in 5 Ltrs Container
Epoxy Floor Paint Hardener	: 1.67 Ltrs in 4 Ltrs Container

Storage

This is solvent based coating and the containers should be kept in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed.

Caution

This product is for professional use only. The paint applicators should be trained, experienced and have the capability and equipment to mix and apply the coatings correctly as instructed. Applicators should use appropriate protection equipment when using this product.

This is solvent based product and should be use under well ventilated conditions. Do not inhale spray mist. Skin contact should be avoided. In case of spillage on the skin, it should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water.

Limitation of Liability

This information is given to the best of our knowledge. Because of the multitude of formulations, production, and application conditions, all the above-mentioned statements have to be adjusted to the circumstances of the processor. Our products are often used under conditions beyond INDOKOTE's control. INDOKOTE cannot guarantee anything but the quality of the product itself. No liabilities can be derived from this fact for individual cases. This issue replaces all previous versions – Printed in India.

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