

# MYK INDUFLOOR EC

High build solvent free epoxy resin floor coating

## Technical Data Sheet

### General:

MYK INDUFLOOR EC is basically a three component solvent free epoxy coating system characterized by thick non-porous film. The film formed is glossy hard.

### Product Description:

MYK INDUFLOOR EC is a solvent free system based on epoxy resins and curing agents specially selected for their ability to withstand chemical attack. The system consists of pre-weighed base & hardener components and a MYK color paste pack, all of which contain reactive elements that are essential to the installation of the system.

A slip resistant texture can be provided by the use of one of a range of MYK Schomburg Antislip Grains which have been carefully graded to ensure an even texture.

### Advantages:

- Solvent free - no solvent odour during product application.
- Adhesion on primed concrete surface with MYK Indufloor EC is excellent
- Chemical resistance to wide range of industrial chemicals
- Glossy film
- Anti skid coating can be achieved by sprinkling MYK Schomburg Antislip Grains over the freshly applied wet coat
- No shrinkage
- Durable and no maintenance
- Available in wide range of colors.

### Areas Of Application:

- Dairies & Soft drinks production units
- Laboratories
- Computer assembly units
- Chemical manufacturing plant
- Car parks and work shops

### Areas Of Application:

Floor surface is cleaned properly using suitable surface preparation methods requires, Apply Primer ( MYK Indufloor EP) on cleaned surface, Cured the primed surface minimum. for 8 hrs or maximum for one day. MYK INDUFLOOR EC is applied as on Primed floor surface coating system comprising of two top coats each top coat to be a

minimum of 200 microns thick. To provide a slip resistant texture, the first top coat can be dressed with MYK Schomburg Antislip Grains\*.

### Properties:

The following values were obtained when tested at 30°C.

Pot life @ 25°C :	20 mins
Cure time:	24 hours
Maximum time between coats:	15 hours
Light traffic use after:	24 hours
Full traffic use after:	48 hours
Resistance to chemical spillage:	7 days
Compressive strength:	Approx.70 N/mm <sup>2</sup>
Flexural strength:	Approx. 25 N/mm <sup>2</sup>
Tensile strength:	Approx.15 N/mm <sup>2</sup>
Shore D Hardness:	70 - 90

### Chemical Resistance:

After fully cured (After 7 days at 30°C) MYK INDUFLOOR EC is resistance to a wide range of aggressive chemicals commonly found in industrial environments. For details Contact MYK Schomburg Representative

### Surface Preparation:

It is essential that MYK INDUFLOOR EC is applied on sound clean and dry and primed surface in order that maximum bond strength is achieved between the substrate and flooring system. The laitance should be removed by grinding or grit blasting.

Old concrete: Any damaged areas or surface irregularities should be repaired using MYK Indufloor ERM. Remove oil and greese penetration before application.

New concrete:

The new concrete or cement substrate on which the system is likely to be applied should be minimum 28 days old and have moisture content less than 4%

### Priming:

The cleaned surface should be primed with MYK Indufloor EP. MYK Indufloor EP should be mixed in the proportions supplied. Add the entire contents of the hardener can to the base can. When thoroughly mixed, preferably using a slow speed drill and paddle, the primer should be applied in

a thin continuous film, using rollers or stiff brushes. Work the primer well into the surface of the concrete taking care to avoid ponding or over application

The primer should be left to achieve a tack-free condition before applying the top coat. A second coat of primer may be required if the substrate is excessively porous.

### Mixing:

The base and hardener components of MYK INDUFLOOR EC should be thoroughly stirred before the two are mixed together. The entire contents of the hardener container should be poured into the base container and the two materials mixed thoroughly, then add the colour pot and mix for at least 3 minutes. The use of a heavy-duty slow speed, flameproof or air driven drill fitted with a Mixing Paddle. Mix these components in the quantities supplied taking care to ensure all containers are scraped clean. Filter the mixed mass through Nylon filter cloth to remove foreign particles if required. Never add solvent or thinners at any time.

### Product Coating Application:

The first coat of MYK INDUFLOOR EC should be applied using a good quality Hair roller, suitable for epoxy application, or squeegee to achieve a continuous coating. Ensure that loose hairs on the roller are removed before use of roller. A minimum film thickness of 200 microns should be applied. When the first coat has reached initial cure (15 hours @ 20°C or 10 hours at 35°C). The top coat can be applied by medium haired roller, at minimum film thickness of 200 microns. Care should be taken to ensure that a continuous film is achieved.

### Antislip Coating Application:

If a slip resistant texture is required, the base coat shall be applied as per the standard application, but at a minimum film thickness of 300 microns. The base coat should then be dressed with the chosen MYK Schomburg Antislip Grain. This should be done as soon as possible after laying. The recommended procedure is to completely blind the base coat i.e. apply excess dressing aggregate to completely obliterate the base coating. Alternatively, the MYK Indufloor Antislip Grains can be broadcast in a light random dressing to provide a less dense finish. When the base coat has reached initial cure (12 hours @ 30°C or 8 hours at 35°C),

the excess aggregate should be cleaned from the surface. The top coat can now be applied by medium haired roller, at a rate of 2.5m<sup>2</sup>/kgs. Care should be taken to ensure that a continuous film is achieved and the rough surface, caused by the aggregate, is completely sealed. This top coat must be applied within 36 hours @ 20°C (15 hours @ 35°C) of the application of the first coat.

### Expansion Joints:

Expansion joints in the existing substrate must be retained and continued through the MYK INDUFLOOR EC topping. MYK Schomburg have a range of joint sealants specifically designed for flooring, contact local MYK Schomburg office for advice.

### Cleaning:

Tools and equipment should be cleaned with solvent immediately after use.

### Limitations:

MYK INDUFLOOR EC should not be applied on to surfaces known to, or likely to suffer from, rising dampness and / or potential osmosis problems or have a very high relative humidity greater than 70% (at the time of application of MYK INDUFLOOR EC ).

MYK Schomburg does not recommend acid etching as a method of floor surface preparation.

In common with all epoxy materials, some slight shade changes may be experienced over the long term when placed in adverse exposure conditions. Any such change in shade is not regarded as being detrimental to performance.

### Estimating & Supply:

Pack size:

MYK Indufloor EP:	: 5 kg packs
MYK INDUFLOOR EC	: 5 kg packs (Including colour paste pack)
MYK Schomburg Antislip Grains:	25 kg bags
Standard coverage	
MYK Indufloor EP:	: 4 - 5 m <sup>2</sup> /kg
MYK INDUFLOOR EC (first Base coat)	: 3.0 m <sup>2</sup> /kg @ 200 microns wft
MYK INDUFLOOR EC (Second top coat)	: 3.0m <sup>2</sup> /kg @ 200 microns wft

