

AN INDUSTRIAL FLOOR SYSTEM WITH AN AESTHETIC FINISH

KEY BENEFIT SUMMARY

- Aesthetic
- Smooth finish
- High mechanical and chemical resistance
- Good wear resistance
- Good impact resistance
- For dry production areas

PRODUCT INFORMATION

Description

Monepox[®] Compact System is based on epoxy resin slurry and coloured aggregates.

A component:

formulated bisphenol type A/F resin

B component:

cyclo aliphatic polyamine adduct hardener

C component:

colourquartz for slurry and broadcasting

Usage

Monepox[®] Compact System is used as a dustfree, acid and alkali resistant, jointless industrial floor in a thickness of either 2-3 mm or 3-4 mm.

Monepox[®] Compact System is used in the food industry, printing offices, supermarkets and car industry.

Monepox[®] Compact System is only suitable for indoor use.

Packaging

Primer is prepacked in 6 kg (A+B) units

Monepox[®] Compact is prepacked in 6 kg (A+B) units.

Compact C is prepacked in 25 kg bags.

Colourquartz is prepacked in 25 kg bags.

Remark:

Packaging for big surfaces:

Monepox[®] Compact (A+B) in 200 kg drums

Monepox[®] Compact C in 25 kg bags.

Colours: different colours of aggregate mix.

TECHNICAL INFORMATION

Pot life at 20°C:	± 30 min.
Compressive strength:	65 N/mm ²
Flexural strength:	35 N/mm ²
Adhesion:	3.3 N/mm ²
Minimum application temperature:	10°C
Polymerisation:	24 hrs
Heat resistance:	65°C
Electrical resistance:	> 10 ¹³ Ω
Fire resistance:	Class 1

Chemical resistance

Chemical resistance after 7 days curing: Monepox[®] Compact System resists to diluted acids, alkalis, salts, oils and fat, carburants, aggressive gases and marine air.

USAGE GUIDELINES

Surface preparation

The concrete substrate must be dry and free of dust, oils and fat. The moisture content in the concrete must be lower than 6%, which means that the concrete must be cured for minimum 28 days. It is necessary that the prepared substrate has an open porous structure for good penetration of the Monepox[®] Compact Primer.

Primer

On the prepared surface apply the primer with a consumption of ± 250 gr./m² and broadcast with colourquartz, size 1, 2 or 1.8 mm, using 500 gr./m².

Application

1) Thickness 2-4 mm:

Apply a slurry (scratch layer) using the following mix:

6 kg Monepox[®] Compact (A+B), add 6 kg Compact C and mix all components until a homogeneous mix is obtained.

The scratch layer is applied with a trowel or metal scraper on top of the quartz in the primer. Before curing, the scratch layer is fully broadcast with colourquartz and powerfloated to a smooth and even surface structure.

Consumption scratch layer: ± 2 kg/m² for 2-3 mm thickness.

Consumption scratch layer: ± 3 kg/m² for 3-4 mm thickness.

Consumption sprinkled quartz: ± 2-4 kg/m²

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Application of topcoat

When the basecoat is cured, i.e. the next day, the Monepox[®] Topcoat is applied. The components A + B are thoroughly mixed and spread over the floor surface with a metal squeegee. The topcoat shall form a smooth and uniform surface structure of the floor. A mohair roller can be used to finish distribution of the topcoat.

Consumption of the Monepox[®] Compact Topcoat should not exceed 120 gr./m² per layer.

Remark:

Before application of the topcoat it may be necessary to scrape off possible quartz remains from the floor surface.

Optional: Finish coat

In order to improve chemical resistance or to get a non glossy finish a thin coat of Hardtop[®] can be applied by a roller. Consumption: 80 - 100 gr./m².

STORAGE

Store in cool, dry areas not below +5°C in closed containers.

SHELF LIFE

In unopened packaging: 1 year.

HEALTH AND SAFETY PRECAUTIONS

Product- and Safety Data Sheets must be read and understood.

TECHNICAL SERVICE

Contact RPM/Belgium N.V.

GUARANTEE

RPM/Belgium N.V. warrants all goods to be free from defects and will replace materials proven to be defective but make no warranty as to appearance of colour. The information and recommendations herein are believed by RPM/Belgium N.V. to be accurate and reliable.