

MONOPUR[®] INDUSTRY

The Heavy Duty Polyurethane
Concrete Floor System
for extreme Service Conditions



PROTECTIVE



QUALITY[®]

RPM/Belgium N.V.

Alteco Technik GmbH

An **RPM** Company

Monopur[®] Industry

A heavy duty polyurethane concrete seamless flooring system!

The Monopur[®] Industry Flooring System is based on a unique blend of special hybrid polyurethane resins that are combined with a composite and quartz fillers.

ADVANTAGES

- **High thermal resistance**

Monopur[®] Industry has excellent resistance to thermal shock and thermal cycling and is not affected by steamcleaning.

- **High chemical resistance**

Monopur[®] Industry is resistant to a wide range of chemicals such as acids, alkalis, salts, oil, blood, lactic acids, fats, carburants, aggressive gases, marine air and most solvents.

- **Excellent resistance to continuous exposure to hot and cold water**

Monopur[®] Industry at 9 mm thickness has excellent resistance to continuous running hot water up to a temperature of 90°C.

- **High mechanical resistance**

Monopur[®] Industry is wear resistant and has excellent resistance to heavy traffic.

- **Impermeable**

- **Odourless**

- **Easy application**

Monopur[®] Industry is easy to apply. The components are prepacked, which minimizes mixing errors.

- **Only for interior use**

- **Trafficable after 24 hours**

Monopur[®] Industry can take light traffic after 24 hours and reaches full chemical resistance after 7 days.





APPLICATION AREAS

Monopur® Industry is used in areas demanding a combination of high chemical, mechanical and thermal resistance.

Typical applications include:

Food Industry

- meat and fish processing plants
- dairies, cheese and milk production
- bakeries
- chocolate factory
- soft drinks and fruit juices
- breweries
- fruit and vegetable processing plants
- cold rooms, freezers
- warehouses
- industrial and hotel kitchens

Chemical Industry

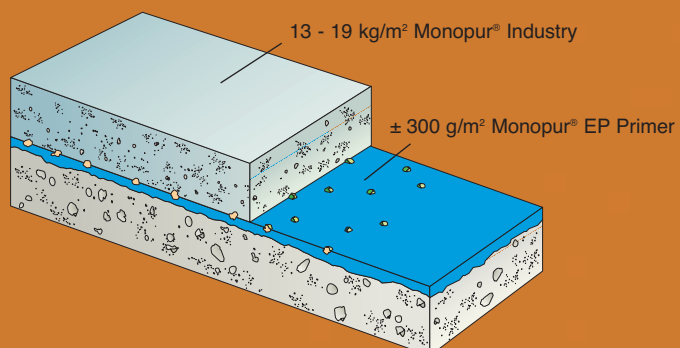
- production areas
- storage and packaging

Pharmaceuticals

- packaging and production

BUILD-UP

Monopur® Industry can be applied in thicknesses from 6 mm to 9 mm. The choice of thickness is determined by the thermal resistance and mechanical requirements. Please consult our Technical Service Department.



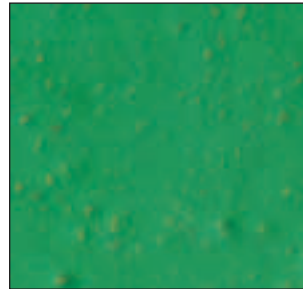
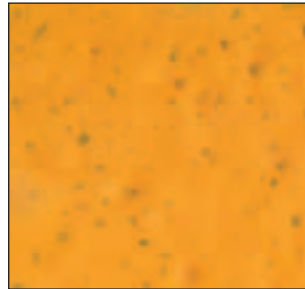
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MONOPUR[®] INDUSTRY Technical Details

Physical Properties	Value
Mixing ratio A / B / C:	2.5 / 2.6 / 26.4 by weight
Compressive strength:	60 N/mm ²
Flexural strength:	16 N/mm ²
Tensile strength:	7 N/mm ²
Specific weight:	2.19 kg/dm ³
Coëfficient of thermal expansion:	1.4 x 10 ⁻⁵ /°C
Adhesion to concrete:	2.7 N/mm ²
Service Temperature range at 9 mm thickness:	-20°C to +90°C
Service Temperature range at 6 mm thickness:	-20°C to +70°C
Resistance to continuous running hot water:	max. 90°C
Slip resistance; depending on aggregate broadcast into the uncured mortar:	R10 to R13 V10
E-Modulus: 9 mm floor / 6 mm floor:	± 2000 MPa / 3000 MPa

COLOURS

Monopur[®] Industry is available in four standard colours: grey, yellow, green and red.



Note: Colours are approximate because of printing limitations.

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Warranty

RPM/Belgium N.V. and Alteco Technik GmbH warrant all goods to be free from defects and will replace materials proven to be defective. The given information corresponds to our present standard of knowledge. However, it is the buyer's responsibility to determine the suitability of the products in individual cases by conducting own tests.

Authorised Distributor:



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