

RINOLATB 300 mortar

Non-shrink mortar with
outstanding chemical resistance

System description

A two layer non-shrink modified vinyl ester mortar system for concrete and similar substrates. Applied thickness 5 - 15 mm.

Maximum service temperature

120°C dry/100°C wet

Colour range

Available in natural colour only.

Benefits

- outstanding resistance to almost all chemicals
- temperature and thermal shock resistant
- hard wearing and long lasting
- excellent impact resistance
- impermeable
- fast cure – minimum downtime

Areas of use

- floors subject to spillage of aggressive chemicals and solvents
- chemical production and packing
- metal refining and plating
- secondary containment
- waste water treatment

Physical properties

Volume shrinkage < 0.003%

Compressive strength 120 N/mm²
ASTM D 695

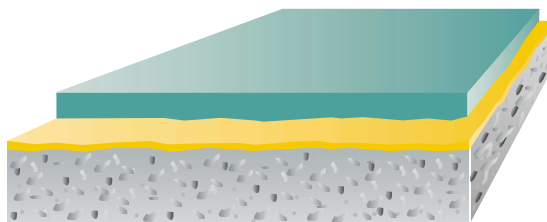
Tensile strength 23 N/mm²
ASTM D 638

Flexural strength 42 N/mm²
ASTM D 790

Compressive modulus 24000 N/mm²
ASTM D 695

Adhesive strength 2,5 N/mm²
DIN ISO 4624

Note: RINOLATB 300 mortar is based on the ATB 300H system from ATAKO, Putte, Belgium.



■ Wearing layer

■ Primer

■ Substrate

RINOLATB 300 mortar

System description

A two layer non-shrink modified vinyl ester mortar system for concrete and similar substrates. The primer is **RINOL ATB 300 primer**. The wearing layer is **RINOL ATB 300H** filled with quartz sand. The applied thickness is 5-15 mm.

Method statement

1. Substrates

- 1.1 Suitable substrates are concrete, polymer modified concrete or screeds, anhydrite or magnesite.
- 1.2 The substrate should have a tensile (pull-off) strength of at least 1.5 N/mm² when measured according to a recognised national standard.
- 1.3 The substrate should be visibly dry with a moisture content not exceeding 4% by weight when measured according to a recognised standard.
- 1.4 The substrate must be clean and free from dust and loose particles. All traces of contaminants such as oils, fats, greases, paint residues, chemicals, algae and laitance, should be removed.

2. Preparation

- 2.1 The preferred method of surface preparation is vacuum shot blasting. Other methods such as scabbling, grit blasting or grinding can be used but are generally less satisfactory.

3. Priming

- 3.1 The primer shall be **RINOL ATB 300 primer**.
- 3.2 The primer is mixed with a catalyst and accelerator using an electric mixer and applied to the substrate by brush or roller taking care to work the material fully into the substrate. Material consumption will be 300-400 g/m² depending upon substrate roughness.
- 3.3 **RINOL ATB 300H** must not be applied if the temperature falls or is expected to fall to within 3°C of the dew point.

4. Application of the wearing layer

- 4.1 The **RINOL ATB 300H** is mixed with catalyst and accelerator until uniform.
- 4.2 The mixture is then mixed with **RINOL quartz sand** until uniform using a forced action mixer.
- 4.3 The mixture is then poured onto the primed substrate and spread to be required thickness using a steel trowel.
- 4.4 **RINOL ATB 300H** must not be applied if the temperature falls or is expected to fall to within 3°C of the dew point.
- 4.5 At 20°C **RINOLATB 300 mortar** can be walked on after 12 hours and will reach full chemical and mechanical resistance after 72 hours.

Specification clauses

- 1) The primer shall be **RINOL ATB 300 primer** applied at a rate of 300-400 g/m² in such a manner as to ensure complete sealing of the substrate surface.
- 2) The wearing layer shall be **RINOL ATB 300H** resin filled with **RINOL quartz sand** applied at a thickness of 5/10/15 mm.

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IMPORTANT

Whilst all reasonable care is taken in compiling technical data on the company's products, all recommendations or suggestions regarding the use of such products are made without guarantee since the conditions of use are beyond the control of the company. It is the customer's responsibility to satisfy himself that each product is fit for the purpose for which he intends to use it and that the actual conditions of use are suitable.