

RECEPUC BASE

Product description

RECEPUC BASE is a polyurethane cement mixture consisting of three components, that form a plastic mortar – a load-bearing layer of the flooring system. The material is resistant to cyclic thermal changes and is highly mechanically resistant. It is intended for interior flooring construction applications.

Application

RECEPUC BASE can be used in a variety of flooring systems for a wide range of applications:

- Levelling minor irregularities in the substrate
- Food processing production lines
- Suitable for contact with chemicals
- Suitable for use in wet areas
- Resistant to thermal shock, as well as cyclic heat changes
- Application by manual or mechanical smoothing/plastering

Product benefits

- Excellent chemical resistance
- Excellent UV resistance
- Excellent mechanical resistance
- Good adhesion to most substrates
- Can be pigmented with any suitable powder pigment
- Suitable for moist surfaces or application in higher air humidity

Material properties

Volumetric weight: $\sim 1\,800\text{ kg/m}^3$

Dry matter content by weight: $\sim 100\%$

Dry matter content by volume: $\sim 100\%$

Compressive strength after 7 days:

50,79 MPa (ČSN EN 196-1)

Flexural strength after 7 days: 10,37 MPa

(ČSN EN 196-1)

Compressive strength after 28 days:

54,7 MPa (ČSN EN 196-1)

Flexural strength after 28 days: 11,5 MPa

(ČSN EN 196-1)

Tensile adhesion: $> 1,5\text{ N/mm}^2$

(ČSN 74 4505)

Workability: $\sim 20\text{ min}$

Consumption*: $\sim 10\text{ kg/m}^2$

Curing time: minimum 24 hours

Application conditions:

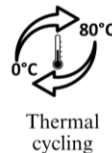
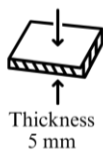
Ambient air temperature: 10-25 °C

Substrate temperature: 10-25 °C

Substrate moisture content: $< 4\%$

Ambient relative humidity: $< 75\%$

*depends on the layer thickness



Packaging

RECEPUC BASE is supplied in pre-measured containers containing component A, component B and component C.

Component A [kg]	1,45
Component B [kg]	1,28
Component C [kg]	22,27
Component A+B+C [kg]	25,00

The supplied packaging of components A, B and C ensures the correct mixing ratio for all components. Do not split the components; the units are designed to be mixed completely.

Material properties

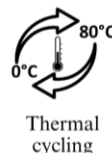
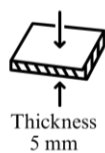
All technical data in the product's technical data sheet are based on laboratory tests. Values may vary depending on ambient conditions, which are beyond our control.

Color

After curing, RECEPUC BASE is lightly yellow-brown. Component A is a milky white liquid. Component B is a light brown to brown liquid. Component C is reactive filler in the form of a white powder. Color can be altered using any suitable powder pigment. Prior testing is necessary to determine the suitability of the selected pigment.

Storage conditions

Store components A and B in a dry place at temperatures between 10 °C and 30 °C. Protect from direct sunlight, excessive heat, and frost. When stored in unopened original containers, the product has a shelf life of 1 year from the date of manufacture stated on the label.



Surface preparation

The material should be applied on a clean and dry substrate, which must be free of all impurities such as dust, oily substances, paints, waxes, etc. RECEPUC BASE can be applied on wet surface.

Mixing

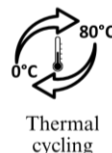
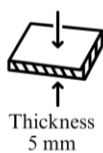
Before the mixing process, it is necessary to mix all three components. RECEPUC BASE is supplied in appropriate quantities of components A, B and C. In the first step, component A is mixed with component B, and component C is added to the mixture thus prepared. When preparing pigmented plastic mortar, start by mixing suitable powder pigment with component C. If it is necessary to mix a smaller quantity, components A, B and C are mixed in a ratio of 5,79 : 5,13 : 89,08. In this case Recetex waives any responsibility for potential defects in the material. Mixing must be carried out mechanically, using a high-performance slow-speed drill/mixer with a suitable mixing attachment. Mixing must be carried out at a speed of 400-600 rpm for minimum of 2 minutes.

Application

The material must be applied at 15-25 °C, with an ambient relative humidity of maximum 60 % on a pre-treated surface. The material must be applied as soon as possible after mixing. After a longer period of time, due to the large volume of the material, a rapid increase in viscosity and temperature occurs, which makes it impossible to pour and process the material. Adapt the workflow to the actual conditions at the application site. RECEPUC BASE must cure for at least 24 hours before the next layer is applied, however, longer curing time may reduce the adhesion of the next layer. After 7 days the material is fully cured and able to carry the full load.

Recommendation

Apply only in recommended application conditions. Avoid direct contact of the material with the skin and do not inhale fumes. When working with RECEPUC BASE always use the safety equipment specified on the manufacturing label or safety data sheet. Avoid leakage of material into the environment and handle packaging in accordance with environmental regulations.



Notes

- If you have questions about the material's resistance to a specific chemical, please contact our technical support via www.recetex.com
- The safety data sheet is available on request via www.recetex.com
- Technical support is available for telephone consultation regarding specific customer requirements, including telephone application support.

LEGAL ANNEX

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