

Graphic Concrete Instructions for designers

Graphic Concrete provides the opportunity to create stylish and high-quality concrete element and slab surfaces. Typical uses include façades, partition walls, walls and concrete slabs.

The technology is based on applying a special membrane to the surface of a mould table, which makes it possible to produce a patterned, smooth or completely exposed finish.

Where can you use Graphic Concrete?

Graphic Concrete technology can be used in element manufacturing. The technology cannot yet be used for casting-in-place.

There are no limits on element size.

Use of Graphic Concrete products does not set any additional requirements for the concrete masses. Normal white cement based exposed fine aggregate masses can be used.

The price of the Graphic Concrete membrane depends on the repetitiveness of the pattern and the amount of membrane ordered.

How do you get the desired finish?

- Choose a pattern from our catalogue (www.graphicconcrete.com) or design your own. More information about designing your own images and patterns is available in separate instructions for creating images.
- Specify the concrete masses and colours. The cement can be pigmented, which provides the colour of the fairface surface. A variety of different coloured aggregates can be used, which are then highlighted in the exposed areas.
- The depth of exposure is about 1 mm, but shallower or deeper exposures are also possible. The dividing line between the fairface surface and the exposed finish is not nearly as clear in deep exposure as it is in fine exposure.

How should you progress?

Choose a suitable pattern from our catalogue or design your own.

Contact Graphic Concrete Ltd in the planning stage and we'll tell you more about the technical possibilities.

Send the ready-for-printing material and instructions to Graphic Concrete Ltd (material@graphicconcrete.fi).

Send the drawings to the element designer and selected precast concrete plant.

The drawings should show the placement of the pattern on the elements.

The drawings should show the direction and the starting point of the pattern.

We recommend casting sample pieces to determine the colour of the concrete.

This allows you to ensure that the pattern and colours are duplicated on the concrete surface in the desired way and that the contrast between the fairface and exposed fine aggregate finish appears as designed.

What are the technical properties of the Graphic Concrete membrane?

The chosen pattern is printed on Graphic Concrete membrane in segments.

The maximum dimensions of one segment are 3,000 x 1,250mm (height x width).

The patterns in our catalogue are repeated within one such segment.

Larger repetitive patterns that take up several segments are also possible.

A 1-2 mm lateral or vertical variation is possible at the joints of some segments.

This differentiation cannot be detected in the majority of patterns.

The height of the Graphic Concrete membrane is 3,100 mm and it's delivered to the precast concrete plant in rolls.

The rolls may contain 250m of membrane and membrane is cut at the plant to fit the element sizes.

If the element is higher than 3 m, two membranes can be combined.

Additional Information:

Graphic Concrete Oy
Porkkalankatu 11 H 11
FIN-00180 Helsinki, Finland
info@graphicconcrete.fi
<http://www.graphicconcrete.fi>

Architects and Designers

Jutta Telivuo
Gsm +358 45 1105152
Fax +358 9 859 465

jutta.telivuo@graphicconcrete.fi

All Contacts

Harri Lanning
Tel +358 9 6842 0093
Gsm +358 40 5051 516
Fax +358 9 6842 0091

harri.lanning@graphicconcrete.fi