



## Building part

- ✓ Floor
- ✓ Indoors

## Substrate

- ✓ With large rest shrinkage/ deformation
- ✓ Concrete floor
- ✓ Screed
- ✓ Light concrete
- ✓ Wooden floor
- ✓ Old tiling
- ✓ Electrical floor heating

## Layer thickness

- ✓ 2-50 mm

## Covering

- ✓ Ceramic tiles
- ✓ Natural stones
- ✓ Soft covering
- ✓ Carpet
- ✓ Floor paint

## x-plan low dust

**Cement based, polymer modified, fibre reinforced screed. Quick hardening repair and screed for floors in dry and wet rooms**

- Self-levelling, suitable for all types of substrates
- For levelling of concrete and wooden substrates
- Suitable for thin floor heating
- Applied with hand tools or mixing pump
- Dust-reduced

x-plan is recommended for levelling of most floor types f. ex. concrete, floor screed, light concrete, gypsum substrate, wooden floor, ceramic tiles etc.

x-plan is a dry product, which can be used after mixing with water. x-plan is partly self-levelling and easy to smoothen.

x-plan is delivered in 20 kg bags.



## Product description

Cement based, polymer and fibre reinforced floor screed. Dust reduced.

## Technical data

|  |   |
|--|---|
| Density, dry:                          | 1,7                                       |
| Density, wet:                          | 1,9                                       |
| Product class acc. to EN 13813: CT     | C30F6                                     |
| Flowability:                           | 120-130 mm                                |
| Fire resistance:                       | A 1                                       |
| Shrinkage:                             | ≤ 0,025%                                  |
| Surface strength acc. to EN 13892 RWA: | 100                                       |
| Application time:                      | 15-20 min.                                |
| Workable time:                         | 30 min.                                   |
| Drying time at 18°C                    |   |
| for walking traffic:                   | 2 hours                                   |
| for surface treatment:                 | 6 hours                                   |
| Recommended working temperature:       | 10-25°C                                   |
| Layer thickness:                       | 2-50 mm                                   |
| Consumption:                           | 1,7 kg/m <sup>2</sup> /mm layer thickness |

## Application areas

For levelling and slope building in wet and dry rooms. x-plan is suitable for all types of water and electric based heated floors. x-plan can be laid using hand tools or mixing pumps.

## Type of substrate

x-plan can be applied on substrates of concrete, screed, light concrete, gypsum, chipboard, plywood or wooden floors with movements and deformation risk.

On concrete, screed, painted concrete surfaces and ceramic tiles, the layer thickness is 2 – 50mm.

On light concrete the layer thickness is 5 – 30mm and on wooden floor 5 – 50mm. On wooden floor the steel net uninet shall be cast in for floors to be covered with clinker tiles, tiles or natural stones.

## Pre-treatment of substrate

The substrate shall be load carrying, stable, coherent, clean, free of dust, grease and cement slurry.

Possible concrete slurry and weak parts of concrete substrates shall be removed. Dust shall be removed with vacuum cleaner. Grease, oil etc to be removed with 7110 base cleaner, high pressure water flushing or other effective cleaning method.

## Priming

Absorbent substrates shall be primed with 1 part 4180 primer diluted with 3 parts of water. The primer shall be worked properly into the substrate with a brush.

On non-absorbent substrates as ceramic tiles or painted surfaces, shall be primed with concentrated 4180 primer on which the dry x-plan powder is strewn and brushed in the primer layer.

Wooden substrate: shall be primed with concentrated 4180 primer.

If more than one layer of x-plan is used then each layer shall be primed.

## Application

20 kg powder to be mixed with approx. 3.2-3.6 l of clean water. For building slope reduce the water content to approx. 3.2 l per 20 kg x-plan. Use a glue mixer or mixing pump. Mix minimum 2 minutes to homogeneous mass.

The flowability can be controlled with flow test. Place the test tube on a flat surface, fill it to the top edge with mixed x-plan, lift the pipe so the mass can flow freely. When the mass by itself has spread out, measure the diameter. See technical data.

The mass can be used in approx. 15 – 20 minutes after mixing at room temperature at 10 - 18°C.

The mass shall be placed immediately after mixing. The x-plan plane itself out, but it is recommendable to smoothen and spread it into corners using a fine smooth side of a trowel.

For thin warm floors with cable heating on combustible substrate reinforcement with uninet is recommended. The heating cables shall be covered with minimum 5 – 10mm screed dependent on the effect of the cable and the stability of the substrate.

For building slope the x-plan is placed along the wall and run by itself at the gully. Cover around the gully with self adhesive plan-stop foam rubber. Finish work around the gully is done when the mass is hardened so carefully walking can take place.

Dependent on room temperature and air humidity the layer is ready for light traffic after approx. 2 hours. Ceramic tiles can be erected after 6 – 12 hours. In wet rooms moisture insulation of the surface with 4400 multicoat can earliest take place after 12 – 18 hours.

## Industrial safety

The product contains cement. Working hygienic rules for cement shall be followed. x-plan is guaranteed chrome neutralized in minimum 12 months.

Reference to product safety data sheet.

## Packing

20 kg plastic bags.

## Storage and transportation

Transport and store dry. Storage period minimum 6 months in unopened packing.