x-plan Low Dust

Cement based, polymer and fibre reinforced compound. Quick curing repair and screed compound 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 underfloor heating**
- **Applied with hand tools or via a 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.

Application areas
- ☑ Floor
- ☑ Indoors

Substrate
- ☑ Concrete floor
- ☑ Screed
- ☑ Light concrete
- ☑ Wooden floor
- ☑ Old tiling/painted surfaces
- ☑ Painted surfaces
- ☑ Stable boarding
- ☑ Underfloor heating

Layer thickness
- ☑ 2-50 mm

Covering
- ☑ Ceramic tiles
- ☑ Natural stones
- ☑ Soft covering
- ☑ Carpet
- ☑ Floor paint

mira floor levelling

x-plan

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Product description

Cement based, polymer and fibre reinforced floor levelling compound. Dust reduced.

Technical data

Density, wet:	1900 kg/m^3
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
Pot life:	15-20 min.
Working time:	30 min.
Setting time at 18°C	
for light foot traffic:	2-3 hours
for surface treatment:	6 hours
for waterproofing membrane	12-18 hours
Recommended working temperature:	10-20°C
Layer thickness:	2-50 mm
Consumption:	1.7 kg/m^2/mm layer thickness
CE	See information on Declaration of Performance

Application areas

For levelling and building of slops in wet and dry rooms. x–plan is suitable for all types of water and electric based heated floors.

x–plan can be applied with hand tools or via a mixing pump.

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 lightweight concrete the layer thickness is 5 – 30mm and on wooden floor 5 – 50mm. On wooden floor reinforcement mesh/uninet shall be cast in when floors are 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 laitance.

Any concrete laitance 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 cleaning 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. Non-absorbent substrates as ceramic tiles or painted surfaces is primed with 4140 contact primer. Wooden substrate shall be primed with concentrated 4180 primer. If more than one layer of x–plan is applied, priming is needed between the layers.

Application

20 kg powder to be mixed with approx. 3.2-3.6 l of clean water. For building a fall, the water content should be reduced to approx. 3.2 l per 20 kg x–plan. Use a mixing paddle on drill or mixing pump. Mix minimum 2-5 minutes to homogeneous mix.

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

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

Pour the compound onto the floor immediately after mixing. The x–plan planes out by itself, but it is recommendable to use the smooth side of a trowel to smoothen and spread it into corners.

For thin heating floors with cables on combustible substrate reinforcement mesh/uninet is recommended. The heating cables shall be covered with minimum 5 – 10mm x-plan dependent on effect of cables and stability of substrate.

For building a slope, the x–plan is applied along the wall and will run by itself towards the gully. Cover around the gully with self adhesive planstop foam rubber. Once hardened so much that you can walk on it the slope can be finished and adjusted to match the floor drain.

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

Working environment

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. x-plan keeps technical specifications minimum 6 months after production data in unopened packaging. Can be used hereafter, technical properties may however, change; setting time may eg. be extended.

Egegårdsvej 2 • 4621 Gadstrup
Phone 45 46 19 19 46 • Fax 45 46 19 20 21
info@mira.eu.com • www.mira.eu.com

mira byggeprodukter a/s