



Application areas

- Floors
- Indoors

Substrate

- Concrete floor
- Screed
- Lightweight concrete
- Underfloor heating

Layer thickness

- 1-45 mm

Covering

- Ceramic tiles
- Natural stone
- Soft coverings
- Carpet
- Floor paints

6700 cemplan



Cement based, polymer reinforced levelling compound for plane levelling of substrates.

- **Self-levelling, very suitable for levelling of subfloors**
- **For levelling of all types of cement based floors**
- **Can be applied with hand tools or by a mixing pump**

6700 cemplan is recommended for levelling of most floor types eg concrete, screed, lightweight concrete etc.

6700 cemplan is a dry product which is ready to use after mixing with water.

6700 cemplan is self-levelling and easy to smoothen.

6700 cemplan is supplied in 20 kg bags.

Product description

Cement based, polymer reinforced, floor levelling compound.

Technical data

Density, wet:	1900 kg/m ³
Product class ass. to EN 13813: CT	C25F5
Flowability:	135-145 mm
Fire resistance:	A 1
Shrinkage acc. to EN 13872:	≤ 0.040 %
Surface strength acc. to EN 13892 - RWFC:	250
Pot life:	15-20 min.
Working time:	30 min.
Setting time at 18°C	
For light foot traffic:	2 hours
For surface treatment:	6 hours
For waterproofing membrane:	12-18 hours
Recommended working temperature:	10-20°C
Layer thickness:	1-45 mm
Consumption:	1.7 kg/m ² /mm layer thickness

CE See information on Declaration of Performance

Application areas

For plane levelling in wet as well as dry areas. 6700 cemplan is suitable for all types of water based and electrical based heated floors.

6700 cemplan can be applied with hand tools or mixing pump.

Type of substrate

6700 cemplan can be applied on substrate of concrete, screed and lightweight concrete.

On concrete and screed the layer thickness shall be 1-45 mm.

On light concrete the layer thickness shall be 5-30 mm.

Pre-treatment of substrate

The substrate shall be load carrying, stable, coherent and cleaned of dust, grease and cement laitance. Any cured laitance and weak parts of the substrate must be cut off or ground away. Loose dust to be removed with vacuum cleaner. Grease, oil etc. to be removed using 7110 base cleaner, high pressure water cleaning or other effective cleaning method.

Priming

Absorbent substrates is primed with 1 part of 4180 primer diluted in 3 parts of water. The primer is worked well into the substrate with a brush. When more layers shall be applied, priming between layers is needed. Pre-treatment of substrate with mira 4140 contact primer on dense and substrates with poor adhesion such as painted surfaces, ceramic tiles etc.

Application

20 kg powder to be mixed with 3.8-4.2 litres of clean water. Apply a glue mixer on drilling machine or a mixing pump. Mix minimum 2 minutes to homogenous mixture.

The flowability can be controlled using the flow test. Place the test tube on a plane surface, fill the tube to the top edge with mixed 6700 cemplan, lift the tube so the compound can flow freely. When the compound has flowed completely by its own, the diameter is measured (see technical data).

The floor levelling compound can be applied in approx. 15-20 min. after mixing at room temperature 10-18°C.

The compound should be poured out onto the floor immediately after mixing. 6700 cemplan levels out by itself, but can be smoothed and spread into corners by using the smooth side of a trowel.

Thin heating mats with heating cables is covered with 5-10 mm 6700 cemplan dependent on cable effect and stability of substrate.

Dependent on room temperature and air moisture the layer is ready for light foot traffic after approx. 2 hours. Ceramic tiles can be laid after 6-12 hours. In wet rooms waterproofing of the surface with mira 4400 multicoat can be applied after 12-18 hours at the earliest.

Working environment

The product contains cement. Working hygienic rules for cement must be followed.

6700 cemplan 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. 6700 cemplan keeps technical specification minimum 6 months after production date in unopened packaging. Can be used hereafter, technical properties may however, change; setting time may eg be extended.

See www.mira.eu.com for information on mira levelling compounds, screeds, waterproofing, tile adhesives, tile fixing and grouting