



Building part

- Floor
- Wall
- Dry room
- Wet room
- Swimming pool, balcony
- Indoors
- Outdoors

Substrate

- Moderate risk of deformation
- Concrete
- Floor screed
- Lightweight concrete
- Wood
- Wooden beams
- Heated floor

Layer thickness

- 1–45mm

Suitable cover material

- Ceramic tile
- Natural stone
- Soft covering
- Carpet
- Floor board

6700 cemplan



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

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

6700 cemplan is suitable for levelling most floor types like concrete, screed, and lightweight concrete.

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


6700 cemplan is self-levelling and easy to smoothen.

6700 cemplan is supplied in 25 kg bags.

Product description

Cement-based, polymer reinforced floor levelling screed.

Technical data

Product class according to EN 13813	CT-C25-F5
Density	1900 kg/m ³
Compression strength	25 N/mm ²
Flexural strength	5 N/mm ²
Flowability	135–145 mm
Fire resistance	A1
Shrinkage according to EN 13872	≤0,040%
Surface strength according to EN 13892	RWFC 250
Pot life	15–20 min
Working time	30 min
Setting time at 18°C	
For light traffic	2 h
For further treatment	6–12 h
For applying waterproofing	12–18 h
Recommended working temperature	10–20°C
Layer thickness	1–45 mm
Coverage for a 1mm layer	1,7 kg/m ²
 See information on Declaration of Performance	

Application areas

For plain levelling in wet as well as dry areas. mira 6700 cemplan is suitable for all types of water and electrical based heated floors. 6700 cemplan can be applied manually or with a mixing pump.

Type of substrate

6700 cemplan can be applied on concrete, screed and lightweight concrete. The layer thickness must be 1–45mm, on lightweight concrete 5–30 mm. Using soft cover material requires a thicker levelling layer.

Pre-treatment of substrate

The substrate must have load carrying capacity, be stable, coherent and clean of dust, grease and cement laitance. Any cured laitance and weak parts of the substrate must be cut off or ground away. Loose dust must be removed with vacuum cleaner. Grease, oil etc.

must 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 multiple layers of mira 6700 cemplan are applied, each layer must be primed. Dense and non-absorbent substrates like old paint or ceramic tiles must be primed with mira 4140 contact primer.

Application

25 kg powder must be mixed with 4,75–5,25 litres of clean water. For the best result, mix a minimum of 2 minutes with a cement mixer or pump, until the mixture is homogenous. The flowability can be tested using the flow test. Place the test tube on a level 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 minutes 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 are covered with 5–10 mm 6700 cemplan dependent on cable effect and stability of substrate. Depending on the 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 the product safety data sheet.

Packaging

6700 cemplan is available in 25 kg paper 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; for example, the setting time may be extended