

# Kiilto Maxirapid

## Fast-setting screed

### 1–30 mm



An extra fast curing levelling screed for levelling floors, filling and patching gaps and making floor slopes. Ready to receive a floor covering as soon as 2 h after levelling. Suitable to be used under paint or epoxy. Also for exterior applications. Low alkali. Cementitious.



The product is listed in the portal for building products that can be used in Nordic Swan Ecolabelled buildings.

- very fast, paintable
- floor corrections, slopes and patchings
- coverage 1.6 kg/m<sup>2</sup>/mm
- walkable: 45 min
- coatable: 2 h
- interior and exterior areas

#### AREA OF APPLICATION

Extra fast curing levelling screed for levelling floors, filling and patching gaps and making floor slopes before over levelling and/or laying the floor covering, at thicknesses of 1–30 mm. For over levellings we recommend using, e.g., Kiilto 97 DF, TopPlan DF or Tasoflex levelling compounds. Suitable for interior and exterior use. In exterior applications, minimum layer thickness is 5 mm.

The substrate must be clean, solid and firm. Remove cement laitance and paint splashes, and brush or vacuum the floor thoroughly. Rough uneven areas and high ridges must be sanded before levelling.

Concrete subfloors are pre-treated with diluted Kiilto Start Primer (10–20 % Kiilto Start Primer / 80–90 % water) prior to application of the floor screed. Surfaces under reconstruction as well as board surfaces must be primed with undiluted Kiilto Start Primer before levelling. In outdoor applications and with non-absorbent substrates prime the substrate with Kiilto Fix Primer or make a bond bridge with, e.g., Kiilto Saneerauslaasti cementitious adhesive with a notched trowel. In ground supported structures, the capillary rise of moisture must be prevented.

The concrete substrate must comply with national standards (in Finland SisäRYL 2013 and BY 45).

#### INSTRUCTIONS FOR USE

Mix 20 kg levelling screed powder with 4.0–4.5 l of cool water and stir continuously until a smooth, plastic mix is formed. Apply immediately to a clean floor by using a steel trowel. The floor is walkable in about 45 minutes, and the floor covering can be laid after approx. 2 hours. The floor should be covered with a flooring relatively soon after it has hardened and dried. This will prevent the surface from over drying,

SUBSTRATE HUMIDITY	concrete < 90 % RH
LAYER THICKNESS	1–30 mm
SHRINKAGE	< 0.6 ‰ (+23 °C, 50 % RH )
WALKABLE	Approx. 45 min
APPLICATION TEMPERATURE	Optimal +18–20 °C, minimum +10 °C
CLASSIFICATIONS AND CERTIFICATES	CT-C35-F8 (EN13813), M1
MAX. GRAIN SIZE	0.4 mm
FIRE CLASS	A2fl-s1
pH	< 11 (low alkali)
COATABLE	approx. 2 hours
COMPRESSION STRENGTH	C35 (> 35 MPa), EN 13813
COVERAGE	1 mm layer/m <sup>2</sup> solid matter weighs approx. 1.6 kg (approx. 12 litres of screed/bag).



cracking and becoming loose.

Also suitable for floors to be painted in secondary, lightly trafficked areas, but not suitable, for example, for garage floors, wet room floors, etc.

In areas where waterproofing is used, e.g., bathroom floors, floor levelling should be applied under the waterproofing membrane. Not suitable for areas permanently under water (e.g., swimming pools).

Note! Using more water than instructed will retard the drying process and weaken the strength of the concrete. It may also cause separation and cracking.

#### ADDITIONAL INFORMATION

The information given in this product data sheet is based on our tests and our practical knowledge. The technical data is defined in standard conditions. Variations in local working conditions and methods will affect the product performance and result. We guarantee the high quality of our products according to our Quality Management System. No liability can be accepted from incorrect use of the product or prevailing conditions, over which we have no control. Thus, we cannot be held responsible for the final result. The correct use of the product presupposes that the user has made him/herself aware of the contents of the working instructions and procedure guide, if provided.

#### ENVIRONMENT AND SAFETY

Avoid unnecessary skin contact and exposure with the fresh product, use safety gloves. Refer to material safety data sheet. For information on product and package disposal, go to [www.kiilto.com](http://www.kiilto.com).

MIXING RATIO	approx. 4.0 l water / 20 kg bag (fillings and slopes) approx. 4.5 l water / 20 kg bag (over levellings).  Adding of 20–30 % sand (particle size 1–3 mm) is possible, when doing thick fillings.
FLEXURAL STRENGTH	F8 (> 8 MPa), EN 13813
BOND STRENGTH	> 1.5 MPa, EN 13813
TYPE/BINDER	resin-special cement-quartz powder-based powder
WORKING TIME	10-15 min.
PACKAGE SIZES	20 kg bag
STORAGE	Unopened package in a dry place 6 months.