

# Kiilto Kerapid DF



A fast-setting cementitious adhesive for laying ceramic tiles, stone and moisture-sensitive natural stone. Grouting can be carried out as soon as 2–4 hours. Also for exterior applications.



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

- very fast, dust reduced
- ceramic tiles, decoration stones and stone
- coverage 2-3 kg/m<sup>2</sup>
- grouting: 2-4 h
- for interior and exterior areas

## AREA OF APPLICATION

Very fast-setting and non-sagging cementitious adhesive for laying ceramic tiles, clinker and stone on vinyl, paint, tile, clinker, construction boards and common aggregate surfaces as well as on surfaces treated with Kiilto waterproofing membrane or Kiilto Kosteussulku moisture barrier. Suitable for interior and exterior use. Not suitable for areas permanently under water (e.g., swimming pools).

The surfaces to be tiled must be clean and free from dust. Remove water-soluble smoothing and levelling compounds. Dry and absorbent surfaces must be moistened or primed with thinned Kiilto Start Primer. Board substrates are primed with undiluted Start Primer. Turn off floor heating approx. 24 hours prior to tiling. When tiling on vinyl, paint, tile and clinker substrates (only interior applications):

- ensure that the surface to be tiled adheres properly to its own substrate
- remove wax, grease and dirt from the surface with alkaline cleaner and rinse well.

After the surface has dried, sand it, if necessary, and then remove the sanding dust.

## INSTRUCTIONS FOR USE

Strew powder slowly while stirring in cool, clean water until a smooth mass is formed. Spread the mix onto the surface to be tiled and comb open using a notched trowel an area that can be tiled within 10–15 minutes. Press the tiles firmly onto the surface and tap into position immediately. Adjustment time is approx. 10 minutes. It is recommended to randomly lift tiles during the application to ensure sufficient coverage of tile backs (wall tiles 70–75% and floor tiles 80–90%). When tiling outdoor areas, the coverage of tile backs must be 100 %. To make sure you get adequate coverage under the tiles, the trowel should be chosen according to the tile size and the tiling

SUBSTRATE HUMIDITY	- concrete < 90 % RH
OPEN TIME	above 0.5 MPa / 30 min (EN1346)
APPLICATION TEMPERATURE	Optimal +18–20 °C, minimum +10 °C
CLASSIFICATIONS AND CERTIFICATES	C2FTES1, M1
MAX. GRAIN SIZE	max. 0.5 mm
FROST RESISTANCE	Frost-resisting
FIRE CLASS	E
COVERAGE	Approx. 3 kg/m <sup>2</sup> when applied using a standard notched trowel (notching: 6 mm x 6 mm x 6 mm). Approx. 2 kg/m <sup>2</sup> when applied using a mosaic trowel (notching: 4 mm x 4 mm x 4 mm).
MIXING RATIO	approx. 3.5 l water / 15 kg powder (walls), approx. 4.0 l water / 15 kg powder (floors).
BOND STRENGTH	above 1.0 MPa (EN1348)
TYPE/BINDER	Resin-special cement-quartz-based powder
WORKING TIME	Must be used within approx. 30–45 min. (mix +18 °C) after adding water.
SLIP	below 0.5 mm (EN1308)
PACKAGE SIZES	5 kg plastic container, 15 kg bag
STORAGE	In an unopened package in dry conditions 6 months.

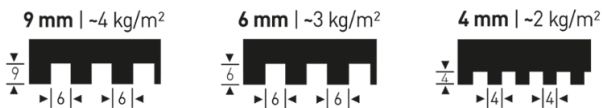
surface.

Remove fresh stains immediately with water and a damp sponge. Dried mortar can only be removed by mechanical means. Curing time 2–4 hours depending on conditions.

Jointing can be carried out with Kiilto Saumalaasti 2–4 hours after laying the tiles; on non-absorbent surfaces no sooner than after approx. 4 hours. Edges of panel and board walls, joints between wall and floor tiling and other movement joints should be jointed with elastic putty. By adding Kiilto Fixbinder as per instructions, Kerapid's deformation properties can be improved (CE-label C2ES2).

Suitable for correcting minor irregularities on the substrate prior to tiling. For corrections over 15 millimetres we recommend Kiilto wall plasters and floor levelling compounds.

#### NOTCHING OF TROWEL



#### 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).