

TYCROC UHP

Installing the Tycroc UHP under panel for the floor heating the underlying surface has to be level, dry, strong, rigid and stable. It also has to be free from dirt, oil or other lubricants and it cannot be frozen. If necessary, the underlying surface has to be levelled using products for intended use.

CUTTING AND STORAGE

The cutting of the Tycroc UHP under panel for the floor heating is easy, using carpet/gypsum knife, also certainly an electric circular saw, compass saw or handsaw. There are no special requirements for storage, but it is advisable not to store the panels edgewise to avoid possible damage (broken corners and edges, etc).

INSTALLING TYCROC UHP ONTO A BEARING SURFACE

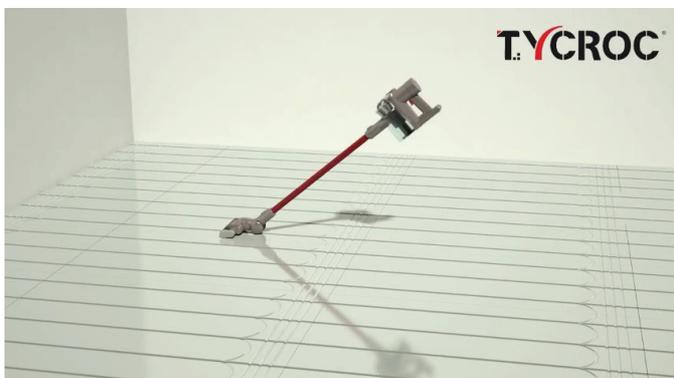
The Tycroc UHP is suitable for installing onto a bearing surface, both onto a wooden structure (for example boarding, OSB board, plywood, etc.) as well as onto a concrete surface. Glued Tycroc UHP ensures stiffer and more stable surface underneath the flooring. Using a proper adhesive for tiles (chosen according to the underlying surface), install the panels by full spread gluing in compliance with the previously prepared project.



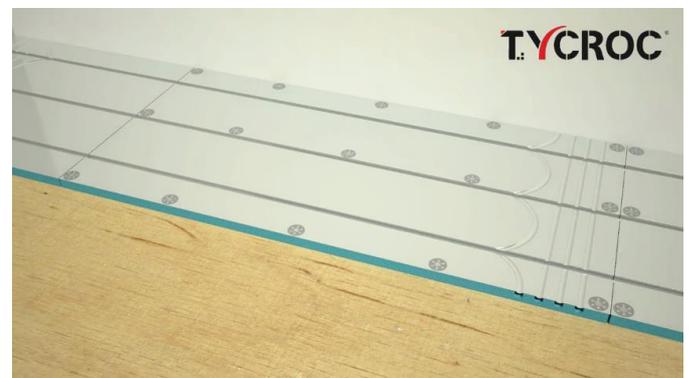
The underlying surface has to be free from dirt, oil or other lubricants and it cannot be frozen. Transfer the adhesive to the underlying surface (for better bonding, cover the surface prior to the gluing with adhesive dispersion).



Place the panels onto the mixture and press down lightly. Check that the panels are levelled on the floor (as a good tool for levelling, a hammer and a wooden support board or block can be used – level the panel to its place by tapping).



Before the installation of the heating pipe make sure that the channels are clean of dirt. Avoid too many steps on the empty channels to not break the edges of the channels.



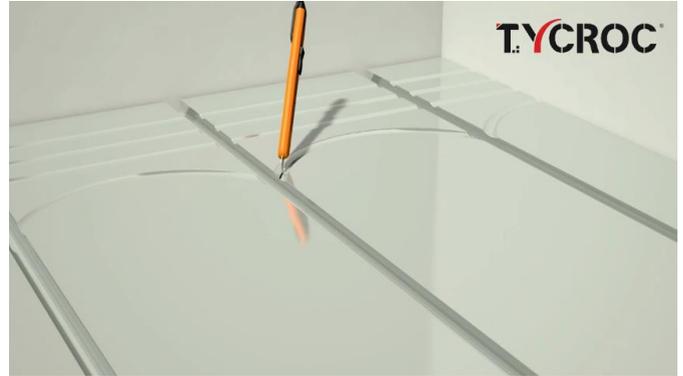
For the later floating flooring, it is possible to fasten the Tycroc UHP panels to the floor using wood screws and Tycroc washers. Max distance between screws and washers can be 300mm. ATTENTION! Glued Tycroc UHP ensures stiffer and more stable surface underneath the flooring.

INSTALLING THE HEATING PIPE

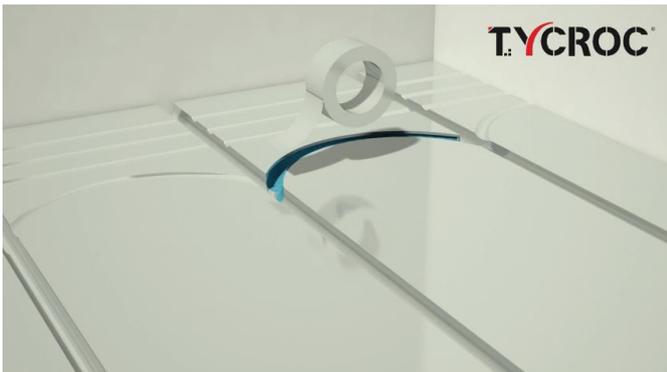
Tycroc UHP boards are available $\varnothing 16\text{mm}$ or $\varnothing 20\text{mm}$ floor heating pipes. Install a heating pipe (5m pipe for 1m^2) according to the previously prepared project and in compliance with the producer's installation instructions.



Press the floor heating pipe by hand or foot into the Tycroc UHP channels. Ensure that the pipe reaches connection point and adding 1m.



For a U-turn or crossing channels near the walls, cut the aluminium foil with a knife first to "open" the channels, and press the foil into the channel, using e.g. a knife handle.



Before the installation of the heating pipe use aluminium tape bottom of the channels.



If necessary fix the pipe inside U-turn or crossing channels by aluminium tape.



Cutting a new channel - using carpet/gypsum knife or electric tool cut the new channel, again the aluminium tape to the bottom of the channel (ensure that the radius is not less than 90mm).

ATTENTION! Before flooring installation main walkways should be covered OSB or plywood to protect the UHP until the finishing material is installed.

INSTALLING THE FLOORING ONTO TYCROC UHP

Tycroc UHP can be used under all common floorings, including parquet, wood, ceramic tiles, and natural stone. If necessary, the Tycroc UHP panel can be covered with concrete or gypsum casting and different ready-made dry floor covering materials, such as gypsum baseboard, cement fibre boards, or gypsum plasterboards.



1. Parquet:

- install the parquet in compliance with the producer's installation instructions;
- install an impact sound insulation or step sound insulation first (ask it from parquet dealer);
- install a parquet floatingly (gluing the parquet blocks together or using locking blocks).

2. Wooden floor:

- install the wooden floor in compliance with the producer's installation instructions;
- install an impact sound insulation or step sound insulation first (ask it from wooden floor dealer);
- install a wooden floor floatingly and crosswise comparing the pipe channels.

3. Ceramic tiles and natural stones in dry area:

- install the ceramic tiles or natural stones in compliance with the chemical producer's installation instructions;
- the underlying surface has to be level, dry, strong, rigid and stable;
- to achieve better bonding, cover the surface prior to the gluing with adhesive dispersion/primer;
- ceramic tiles and natural stone should be glued with an adhesive for tiles, which has great adhesive strength and elasticity;
- directly onto the Tycroc UHP tiles from 15x15cm are suitable, for smaller tiles cover the UHP surface by suitable floor levelling compound.

4. Ceramic tiles and natural stones in wet area

- install the ceramic tiles or natural stones in compliance with the chemical producer's installation instructions;
- the underlying surface has to be level, dry, strong, rigid and stable;
- cover the UHP surface by suitable floor levelling compound, also waterproofing is required;
- ceramic tiles and natural stone should be glued with an adhesive for tiles, which has great adhesive strength and elasticity.



In conjunction with company Kiilto Oy we have tested Kiilto products suitability for Tycroc UHP:

For aluminium surface cleaning	Kiilto Acetone
Adhesive dispersions / primers	Kiilto Gel Primer või Kiilto Start Primer
Floor levelling compounds	Kiilto Kestonit Termo, Kiilto Kestonit Fiber või Kiilto Plan Rapid
Waterproofing membranes	Kiilto Kerafiber, Kiilto Fibergum või Kiilto Kerapro
Adhesives	Kiilto UltraFix + Fixbinder, Kiilto Superfix SD + Fixbinder või Kiilto Highflex S2 DF + Fixbinder

ATTENTION! All instructions above includes general information for different product use. Priority is producers installation instructions. If there are variations, then install the materials in compliance with the producers installation instruction.

