



## Mantua (Italy) GREEN PARK CARE HOME

INSTALLATION OF CERAMIC TILES  
FOR THIS NEW HEALTHCARE CENTRE:  
ONE OF THE LARGEST AND MOST  
ADVANCED IN NORTHERN ITALY

The new Green Park care home was inaugurated on the 22<sup>nd</sup> of December last year, with work being completed right on schedule after less than one year. The structure is immersed in natural woodland within the confines of what is known as the Health Park, on the outskirts of Mantua (Northern Italy).

The new home is one of the largest and most advanced of its kind in the area and has been designed and constructed using cutting-edge techniques so that guests can enjoy the highest level of comfort.

The care home is divided into two units, the “Residenza Ducale” and the “Residenza Te”, the first one being a classic care home for 120 guests, while the second one, and a real novelty for the Mantua area, has space for a further 120 guests in wards for particularly serious conditions which are, unfortunately, on the increase: Alzheimer’s, patients in a vegetative state, patients with motor neurone disease or on life support and patients in need of post-acute care.

The names for the two homes were specifically chosen to underline the strong bond with the area.

### INSTALLATION OF LARGE-SIZE PORCELAIN TILES

Inside the Green Park Care Home, various formats of porcelain tiles supplied by the Romani group were installed (20X90 cm, 60X 60 cm e 100X100 cm) on anhydrite-based substrate



**IN THIS PAGE.** Ceramic tiles were installed in several areas of the care home by using KERAFLEX EASY S1, while joints were grouted with ULTRACOLOR PLUS.

### IN THE SPOTLIGHT KERAFLEX EASY S1

It is a high performance, deformable, cementitious white adhesive with extended open time and no vertical slip, for ceramic tiles and stone material, with Low Dust technology and very low emission level of volatile organic compounds. It is especially suitable for the installation of large-size porcelain tiles and natural stone. When mixed with water KERAFLEX MAXI S1 features low viscosity; good capability to accommodate the different deformation of the covering from the substrate;



perfect adherence to all materials normally used in building; particularly extended open and adjustability time; it is highly thixotropic and can be applied on a vertical surface without slumping or letting even heavy and large tiles slip.

with underfloor heating over a total surface area of around 21,000 m<sup>2</sup>.

The walls in the bathrooms, made from special plasterboard suitable for damp surroundings, are covered with tiles measuring 30X60 cm and the bathrooms also feature floor-level shower trays.

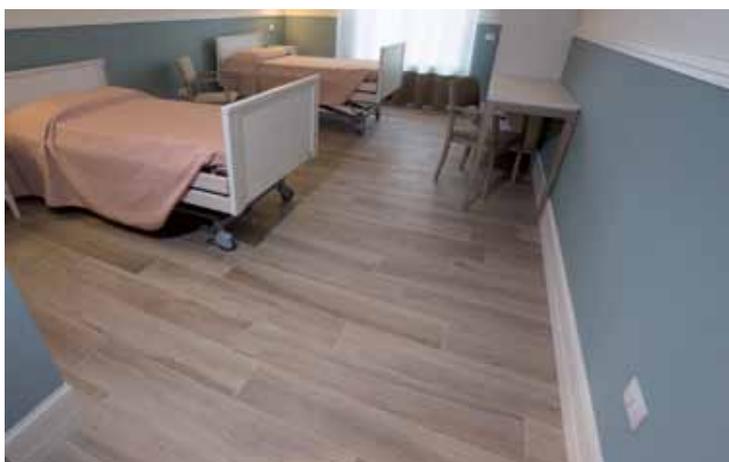
Once the substrates had been levelled off and the surface had been sanded down, they were treated with a coat of PRIMER G, a synthetic resin-based primer in water dispersion with very low emissions of volatile organic compounds (VOC).

Before installing the shower trays, the anhydrite substrates were waterproofed with MAPELASTIC TURBO, a two-component, elastic, rapid-drying cementitious mortar, along with MAPEBAND EASY, a special rubber tape used to form elastic joints in waterproofing systems. Special accessory items from the MAPEI DRAIN line were used around the drainage points to help water drain off correctly.

MAPELASTIC TURBO waterproofing mortar was applied in two coats on the substrates with a trowel, with MAPENET 150 alkali-resistant fibre glass mesh embedded between the two layers.

The ceramic tiles were installed with KERAFLEX EASY S1 high performance, cementitious adhesive. Joints were grouted with ULTRACOLOR PLUS high-performance, anti-efflorescence, quick-setting and drying polymer-modified mortar with water-repellent DropEffect® and mould-resistant BioBlock® technology.

The expansion joints were sealed with MAPESIL AC sealant after applying a coat of PRIMER FD (adhesion promoter for siliconic sealants) along the edges of the joints and inserting MAPEFOAM closed cell polyethylene foam cord



**TECHNICAL DATA**  
**Green Park care home,**  
Mantua (Italy)

**Year of the intervention:**  
2018

**Intervention by Mapei:**  
supplying products for waterproofing substrates and installing porcelain tiles

**Client:** Gruppo Mantova Salus

**Design:** Studio Nicchio  
**Works director:** Claudio Colombo

**Installation company:**  
Superficie 71 Srl

**Mapei distributor:** Munarini Srl

**Mapei coordinators:** Andrea Bettini, Carlo Alberto Rossi and Mirko Demichele, Mapei SpA (Italy)

### MAPEI PRODUCTS

Preparing and waterproofing substrates: Primer G, Mapelastic Turbo, Mapenet 150, Mapeband Easy

Installing ceramic tiles: Keraflex Easy S1

Grouting and sealing joints: Ultracolor Plus, Mapesil AC

For further information on products see [www.mapei.com](http://www.mapei.com)