

A GOLDEN RESIDENCE

on the Gold Coast

MAPEI PRODUCTS CONTRIBUTED TO INSTALL TIMBER FLOORS IN A SUPER LUXURIOUS PRIVATE HOME IN AUSTRALIA



In early September 2015, an Australian entrepreneur living on Queensland's Gold Coast (Eastern Australia) contracted design company Artnow International to manage the installation of a unique timber floor in a special room in his 4.5 million-Euro private residence. This project, which led to the creation of an ultimate parquetry timber flooring, was designed by Artnow International in conjunction with contractors Hilston Wood Flooring and Scribed Flooring. Approximately 20,000 cuts of timber parquetry were completed to produce around 7000 individual pieces of timber which were meticulously assembled to create a true work of art. Brass inlays created a stunning border.

The room is approximately 80 m² and has a unique boomerang shape with eleven 900 mm x 900 mm windows in the timber floor looking down into the super car garage that houses an amazing array of cars including Ferrari's, Rolls Royce and Lamborghini's.

SUBSTRATE PREPARATION

This project started in September 2015 with prototype samples of the geometric patterned parquetry flooring presented to the customer. The floor was handed over to the customer in March 2016.

In preparation for the levelling of the original concrete floor, the floor contractors applied a coat of ECO PRIM T as primer. This is a solvent-free, easily applied acrylic resin-based primer in water dispersion, with excellent bonding, water and ageing resistance characteristics. It is used in interiors to improve adhesion of levelling compounds on all absorbent and non-absorbent surfaces. ECO PRIM T is easily applied by brush or roller. It is not flammable and shows a very low emission of volatile organic compounds (VOC) and therefore it is



LEFT. A view of the floor after completion of the installation works.

BELOW. Installing over 7000 pieces of parquetry with ULTRABOND P990 1K.



EMICODE EC1 Plus-certified by GEV and absolutely harmless to the health of the installer and the end-user.

Once the layer of ECO PRIM T had dried, the surfaces were levelled with ULTRAPLAN levelling and smoothing compound. ULTRAPLAN is classified as CT-C30-F7-A2_s-s1 according to EN 13813 standard. It is used in interiors for levelling and smoothing differences in thicknesses from 1 to 10 mm on new or existing substrates, preparing them to receive all kinds of flooring where a high resistance to loads and traffic is required. ULTRAPLAN is especially suitable for areas subject to wheeled chairs. Mixed with water, ULTRAPLAN becomes a fluid and easily workable mortar, perfectly self-levelling, with high bond strength to the substrate and ultra-fast drying. ULTRAPLAN can be spread in thicknesses up to 10 mm per coat without shrinkage, cracking or crazing, and develops very high compressive and flexural strength, as well as excellent resistance to indentation and abrasion. The installation of the floor covering can begin approx. 12 hours after the application of ULTRAPLAN, regardless of thickness.

BONDING THE TIMBER FLOOR

After initial trials were accepted by the owner, the floor contractor used ULTRABOND P990 1K adhesive to install over 7000 pieces of parquetry timber. This product is a one-component, solvent-free, ready-to-use elastic polyurethane adhesive with an extremely low emission level of volatile organic compounds (VOC).

ULTRABOND P990 1K is used for bonding pre-finished parquetry, pin-wheels and jointed planks on cementitious screeds, screeds made using MAPECEM, MAPECEM PRONTO, TOPCEM, TOPCEM PRONTO and similar products, and anhydrite screeds, as well as on old wooden floors, ceramic, marble, etc.. It is also suitable for heated floors. The finished floor of the room in this private residence was meticulously sanded which resulted in the highest possible level of sanding (within millimetres of tolerance) for the brass inlays to be professionally fitted.

This timber flooring project won "Residential Floor of the Year - Site Installed" and "Overall Floor of the Year" awards during the Australasian Timber Flooring Associations Awards Night in 2016.

IN THE SPOTLIGHT ULTRABOND P990 1K

It is a moisture curing, polyurethane resin-based adhesive, used for bonding all size and formats of jointed, pre-finished solid timber parquetry with a ply backing. It has the following characteristics: ready-to-use one-component product, does not require catalyser and successive mixing; suitable for floor-layers allergic to epoxy-polyurethane products; easy to apply, even at low temperatures; 30% higher yield compared with conventional two-component products, thanks to the low viscosity and easy trowelability of the adhesive, even at low temperatures; excellent rib stability and excellent buttering on the back of timber tiles; extremely low expansion; does not contain solvents or substances which give off unpleasant odours; low environmental impact, certified by the Green Building Council of Australia and awarded the **EC1 R Plus** certification by the **GEV** Institut as a product with an extremely low emission level of volatile organic compounds (VOC).



TECHNICAL DATA

Private residence, Gold Coast, Queensland (Australia)
Period of renovation: 2015-2016
Period of the Mapei intervention: 2015-2016
Intervention by Mapei:

supplying products for substrate preparation and installation of timber floors
Design: Artnow International
Project manager: Artnow International
Floor contractor: Hilston Wood Floors and Scribed

Flooring
Mapei distributor: Floorsanders Trade Suppliers
Mapei coordinator: Troy Bartlett, Mapei Australia

MAPEI PRODUCTS
 Substrate preparation: Eco

Prim T, Ultraplan
 Installing timber floors:
 Ultrabond P990 1K

For further information on products see www.mapei.com and www.mapei.com.au