



In a holiday centre for children, in the heart of Upper Savoy in France, the rubber and PVC floors were laid using Mapei products

LA MAZERIE

In France a “mazerie” is a furnace used to smelt iron.

It is also the name of a holiday centre in South-West France. A chalet crouching on the Aravis Massif, strategically located between Mont Blanc, Lake Annecy and Switzerland, in the Rhône Alps.

Built on the south face of the Massif at an altitude of 1,300 metres, the Mazerie dominates the Chinaillon Valley in the borough of Grand Bornard.

This large, typically Savoy chalet is four storeys high, and belongs to the General Council of the French department of Haute Marne. During the holiday season, the structure hosts approximately fifty children and their guides each school year. In holiday times the centre

opens its doors to groups, families and colonies which may take advantage of the natural richness of the territory and the numerous tourist attractions in the region.

Innovative Products for New Coloured Floors

In 2007, the General Council of Haute Marne financed a project to replace all the floors in the building.

The French construction company, Devarennnes, was awarded the contract to lay the rubber and PVC floor coverings in the corridors, offices, refectory, on the stairs and in the despatch areas.

Mapei contributed to the project by supplying products to prepare the sub-

strates and to bond the covering materials for a total floor area of 500 m².

ECOPRINT solvent-free acrylic primer was applied on the cement substrate used for the floors, to promote bonding of the smoothing and levelling compound which was applied later. Because this product has an extremely low emission level of volatile organic compounds (VOC), ECO PRIM T has been classified as EMICODE EC1, awarded by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), the association which checks emission levels of products used for floors, adhesives and various materials used in the building industry, and of which Mapei is a member.





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*Photo 1.
The floor in the refectory before laying the rubber floor covering.*

*Photo 2.
The rubber floor in the refectory laid using ULTRABOND ECO V4 SP, bathed in the natural light which filters through the large windows.*

*Photo 3.
The television room, with its rubber floor, bonded with ULTRABOND ECO V4 SP.*

*Photo 4.
The highly coloured rubber floor laid in the refectory using ULTRABOND ECO V4 SP.*



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This product, therefore, is a particularly suitable solution for living areas, which respects the environments and the health of floor layers.

The substrates were smoothed over using MAPESOL 3, a product distributed on the French market by Mapei France, the local subsidiary of the Mapei Group. The technical characteristics of this product are the equivalent of PLANO 3, which is distributed in the whole European market and especially suitable for the preparation of substrates before the installation of ceramic tiles.

This high-performance, self-levelling smoothing compound is certified CSTB P3 according to French standards, awarded by CSTB (Centre Scientifique et Technique du Bâtiment), the Scientific and Technical Centre for the French building industry, and is suitable for making and restoring floors subject to pedestrian and wheelchair traffic. This product is fast-setting, and its use guarantees that covering materials are bonded after 24-48 hours, and

IN THE SPOTLIGHT

ECO PRIM T

This is a solvent-free acrylic resins-based primer in water dispersion with very low emission of volatile organic compounds (VOC). It has excellent bonding, flexibility, water and ageing resistant characteristics. It is used to improve adhesion of levelling compounds on all absorbent and non absorbent surfaces. ECO PRIM T is not flammable and shows a very low emission of volatile organic compounds (VOC), so it is absolutely harmless to the health of the installer and the end-user. It can be stored with no particular precautions. It gained the **EMICODE EC1** certification awarded by **GEV**.

ULTRABOND ECO V4 SP

This is a solvent-free, synthetic-polymer based single-coat adhesive in water dispersion, formulated in a ready-to use light beige paste. It features an especially extended open time which can be therefore used for bonding resilient wall and floor coverings (provided they are dimensionally stable), even on non-absorbent surfaces. It is easy to spread and has an excellent initial grab. After hardening, ULTRABOND ECO V4 SP film is flexible and strong and can take heavy traffic and wheeled chairs. It gained the **EMICODE EC1** certification awarded by **GEV**.





WHAT IS EMICODE EC1 CERTIFICATION?



EMICODE is a highly reliable, quantifiable classification system, which may be measured and registered, and regards the emission of volatile organic compounds (VOC) from the materials used for laying and in the building industry. It was developed by GEV "Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.", the association which checks emission levels of VOC in products used for laying floors, adhesives and products used in the building industry, and of which Mapei is a member. Amongst the categories defined by GEV (EMICODE EC1, EC2 and EC3), EMICODE EC1 indicates a "very low emission level of volatile organic compounds" from products which bear this symbol. Also, the letter R (which means "reguliert" or controlled) indicates the risks for floor layers which may derive from the use of reactive resin-based products (cement, polyurethane, silane cross-linking systems, epoxy, polyester, acrylic, etc.).

that the surface may be ready to light foot traffic after 6 hours.

It is applied at a thickness of between 3 and 10 mm, and thanks to its technical characteristics, the use of MAPESOL 3 guarantees a perfectly smooth finish. The owners of the Mazerie holiday centre chose brightly-coloured Norament rubber floor covering produced by Freudenberg for the floors in the corridors, offices and refectory. The basis for choosing this kind of floor covering was certainly made after assessing the numerous advantages offered by a rubber floor, such as its high strength and easy maintenance of its surface. Also, thanks to the orange-peel effect on the surface, this kind of floor covering is non-slip, even if there is rainwater or melted snow on the surface. In the refectory, the rubber floors were laid in artistic patterns: coloured triangles and stripes were created here and there along the surface, together with flashes of red, blue, green and grey to create a warm, modern finish. These covering materials, as with the PVC on the

stairs, were laid on the substrate using ULTRABOND ECO V4 SP all-purpose acrylic adhesive in water dispersion, particularly suitable for bonding PVC, polyolefin, rubber, cork and textiles. This fast-setting product guarantees that the floors may be stepped on just 3 days after laying the floor, thus allowing floors subject to intense pedestrian and wheelchair traffic to be created. ULTRABOND ECO V4 SP is solvent-free and certified EMICODE EC1 (very low emission level of volatile organic compounds), which proved to be a great advantage for the floor layers. The result of the work carried out were extremely satisfying: the coloured floors, bathed in natural light filtering through the large windows, give a modern touch to the chalet. A result which is also due to the merit of Mapei.



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Mapei Products: the products mentioned in this article belong to the "Products for the Installation of Resilient, Textile and Wood Floor and Wall Coverings" range. The technical data sheets are available on the web site: www.mapei.com. Mapei products from the Eco line bear the EMICODE EC1 "very low emission level of volatile organic compound", awarded by GEV.

Eco Prim T (EC1): solvent-free, acrylic primer with very low emission of volatile organic compounds (VOC) for absorbent and non absorbent substrates.

Mapesol 3: high-performance self-levelling smoothing compound for thickness from 3 to 10 mm. It is classified as CSTB P3 according to the French standard UPEC, set by CSTB (Centre Scientifique et Technique du Bâtiment), the French Scientific and Technical Centre for Building. N.B. This product is distributed on the French market by Mapei France, the local subsidiary of the Mapei Group, and is intended for the preparation of substrates before laying resilient floor. The counterpart of Mapesol 3 is Plano 3, especially suitable for the installation of ceramic tiles and available in the whole Europe.

Ultrabond Eco V4 SP (EC1): solvent-free all-purpose acrylic adhesive in water dispersion, with extended open time and very low VOC content for the installation of rubber, PVC, vinyl, polyolefin flooring, linoleum and carpet.

TECHNICAL DATA

Centre de Vacances La Mazerie, Grand Bornard (France)

Designer: DDJS 52 (Direction Départementale de la Jeunesse et des Sports du 52 – Haute Marne) and CCHM (Centre Culturel Haut Marnais)

Year of Construction: 1980

Period of the Intervention: 2007

Intervention by Mapei: supplying products for preparing the floor substrates; for bonding rubber floorings in the corridors, offices and in the refectory; for laying PVC floorings on the stairs.

Client: Conseil Général de la Haute Marne

Laying Company: Devarennnes (Chaumont, France)

Laid Materials: rubber floorings (Norament by Freudenberg) and PVC floorings

Co-ordinators Mapei: Jean-Jacques Richard (Mapei France).