



MID-EUROPEAN WELLNESS

The wide range of Mapei products ensured a perfect installation of several kinds of materials in the Sárvár Spa and Wellness Centre.

Sárvár is a small town, located in the western part of Hungary, not far from the Austrian, Slovak and Slovenian borders. It features a picturesque old town centre, whose highlight is the Nádasdy-castle dating back to the Middle Ages but mostly sporting Renaissance constructions. The arboretum near the castle has several rarities including 350 species of trees and bushes.

The town is surrounded by a beautiful natural environment, which also encloses a rowing lake. However, its thermal water is without doubt what made Sárvár well-known even beyond the national borders, attracting tourists from several countries. In the Sárvár area two completely different types of thermal water are available and allow the healing of different kinds of illnesses and the performance of wellness treatments: the water which springs from a depth of 1,200 metres reaches a temperature of 43 °C, while the water which originates from a depth of 2,000 metres reaches the much higher temperature of 83 °C. The former contains alkaline hydrogen carbonates and is especially suitable for the treat-

ment of movement disorders, post-injury rehabilitation, neurological complaints and muscle relaxing baths. The latter, due to its very high salt content, can be used effectively in the treatment of movement disorders as well as for dermatological and gynaecological purposes.

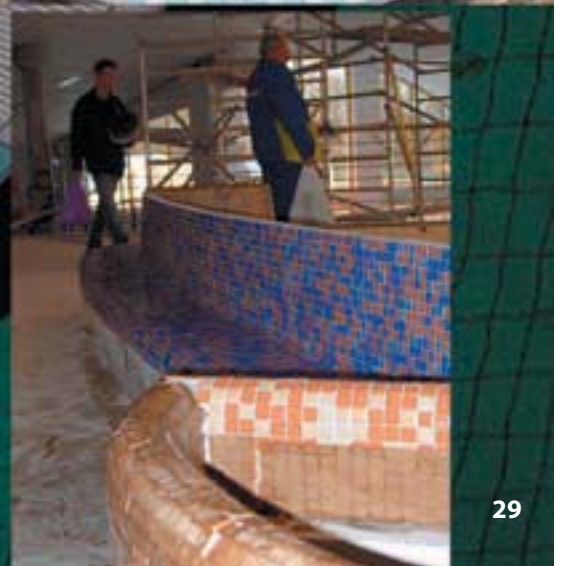
To make the most of the benefits offered by these precious natural sources, in 2002 the local government of Sárvár decided to build a new spa centre on the undeveloped plot next to the old medicinal bath. This paved the way to the opening of the "Sárvár Furdo" or Sárvár Spa and Wellness Centre. The centre, which is open all year round, encloses many pools, both indoor and outdoor, covered and partly covered, filled with water from 30 °C to 37 °C, an ailments cure centre, a fitness centre, a wellness centre, a sauna world, a beauty salon and various catering services. From spring until autumn guests can also enjoy a multi functional beach pool (1,800 m²) which is suitable for swimming and comes complete with a slide, a wave pool, a jumping board, a garden area, a children's adventure pool, a toddlers' pad-



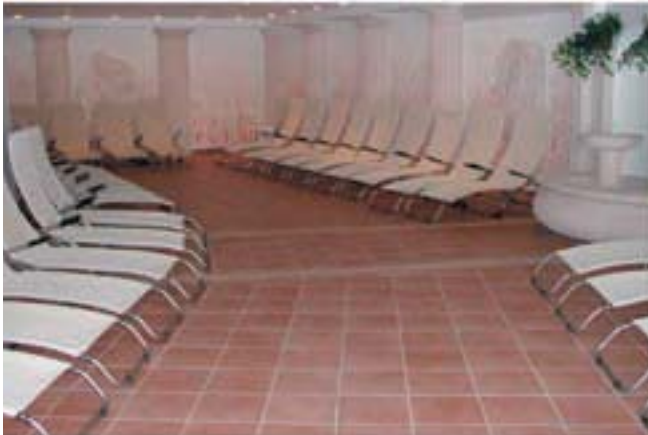
ding pool, a playground and a number of sports' pitches (for beach volleyball, 5-a-side soccer and bowls). The centre covers a total area of 55,000 m², with the net area of the buildings totalling over 10,000 m² and the water surface area exceeding 3,600 m². The main building has a 5,000 m² basic area and hosts medicinal and adventure pools with dressing rooms, a fitness block, therapeutics services, catering facilities and the hotel.

Having considered the investor's expectations and the quality requirements, the general contractor, Záv Rt., selected high-quality and reliable products supplied by companies well-known in this field, such as Marazzi and Floor Gres ceramic tiles and Mapei systems for installing floor and wall coverings. The public and service rooms were clad with Marazzi tiles and Togama mosaic tiles, while the pools and the area around the pools were covered with Floor Gres tiles. More than 70 types of floor tiles and 50 different kinds of wall tiles and glass mosaic were laid to ensure a varied and pleasant design.

Tempero Rt., which carried out the entire pool project, chose to use MAPELASTIC* grout and MAPEBAND* polyester rubber fabric for waterproofing the interior surfaces. Tiles were fixed with KERAFLEX* adhesive and grouted with SEWAMENT 2* ready-mix cementitious mortar, while expansion joints were sealed with MAPESIL AC* silicone sealant. When preparing the substrates of the anti-skid surfaces around the pools, TOPCEM PRONTO* pre-packed mortar was used due to its fast drying times. In the common areas, instead, after priming with PRIMER G*, PLANO 3* and NOVOPLAN 21* fast-hardening self-levelling smoothing compounds were applied on the substrates for screeding. The 30x30 cm tiles were laid on them with ADESILEX P9 cementitious adhesive, while KERAFLEX MAXI* was used to



PROJECTS



install the 40x40 cm and 30x60 cm tiles and the terracotta cladding. Granite tiles were fixed to the steps with GRANIRAPID* cementitious adhesive and grouted with ULTRACOLOR* high performance grout. Expansion joints were again sealed with MAPESIL AC*.

The side walls in the sanitary blocks were waterproofed with MAPEGUM WP* liquid membrane and the joints were sealed with MAPEBAND*. The wall tiles up to 30x30 cm in size were laid with ADESILEX P9 adhesive up to 30x30 cm size, while the KERABOND*+ ISOLASTIC* system was chosen for larger ceramic and glass mosaic tiles. ULTRACOLOR* and SEWAMENT 2* were again used for grouting the joints, depending on the expectable wear and tear. SEWAMENT 2* is normally used for grouting joints of ceramic coverings in water purification plants and sewerage systems. In this case the product was chosen due to its high resistance to the chemical aggression produced by the high sulphate content of the local thermal water. Expansion joints were sealed with MAPESIL AC*.

The wide range of the products selected ensured a smooth completion of the works. The installation of floor and wall coverings was in the limelight because of the very short time available. The regular assistance of expert consultants definitely contributed to the final success of the works.

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***Mapei Products:** the products referred to in this article belong to the "Products for Ceramic Tiles and Stone Materials," "Building Speciality Line" and "Products for the Installation of Resilient, Textile and Wood Floor and Wall Coverings" ranges. The technical data sheets are available on the "Mapei Global Infonet" CD/DVD and from the web site: www.mapei.com.

Mapei adhesives and grouts conform to EN 12004 and EN 13888 standards.

Adesilex P9 (C2TE): high-performance cementitious adhesive with no vertical slip and extended open time for ceramic tiles.

Granirapid (C2F): high performance, deformable, fast-setting and hydration two-component cementitious adhesive for ceramic tiles and stone material.

Isolastic: flexible latex additive to be mixed with Kerabond, Kerafloor and Adesilex P10.

Kerabond (C1, becomes C2 when mixed with Isolastic): cementitious adhesive for ceramic tiles.

Keraflex (C2TE): high performance cementitious adhesive, with no vertical slip and extended open time for ceramic tiles and stone material.

Keraflex Maxi (C2TE): high performance cementitious adhesive with no vertical slip, extended open time and deformable for ceramic tiles and stone material: particularly suitable for the installation of large sized porcelain tiles and stone material (thickness of adhesive from 3 to 15 mm).

Mapeband: polyester reinforced rubber tape for the flexible sealing and waterproofing of internal and external expansion joints.

Mapegum WP: liquid elastic membrane for interior waterproofing. **N.B.** The product has been replaced by Mapegum WPS.

Mapelastic: two-component flexible cementitious mortar for waterproofing concrete, balconies, terraces, bathrooms and swimming pools.

Mapesil AC: solvent-free, acetic-cross-linking mildew-resistant silicone sealant, available in 26 colours and transparent.

Novoplan 21: fast hardening self-levelling smoothing compound for thicknesses from 1 to 5 mm.

Plano 3: fast hardening self-levelling smoothing compound.

Primer G: synthetic resin based primer in water dispersion with very low emission of volatile organic compounds (VOC).

Sewament 2: high performance, ready-mix, cementitious mortar for grouting ceramic floor and wall tiles in sewerage systems (width of joints up to 15 mm).

Topcem Pronto: ready-to-use, pre-packed, normal-setting mortar with controlled shrinkage for fast-drying screeds (4 days).

Ultracolor (CG2): fast setting and drying, anti-efflorescence grout for joints from 2 to 20 mm, available in 26 colours. **N.B.** The product has been replaced by Ultracolor Plus.



TECHNICAL DATA

Spa and Wellness Centre, Sárovar (Hungary)

Work: preparation and treatment of wall and floor substrates, installation of ceramic and mosaic floor and wall coverings, laying of the pools' surfaces

Materials: ceramic tiles, stone slabs and mosaics (by Marazzi, Floor Gres and Togata)

Year: 2002

Contractor: local government of Sárovar

Project: Mérmü 2000 architectural office, Zalaegerszeg (Hungary)

Interior Design: Zalaki Bt.

Project Manager: Mr. Imre Vörös, Sárovar Spa

General Contractor: Záv Rt., Zalaegerszeg

Installation Companies: Tempero Rt., Stukkó Kft., Olépkér Kft., Euro-ép Bau Kft., Kreatív Bau Kft., Sk-Certus Kft., P-Quality Bt., Tilerama Bt.

Mapei Distributor: Építőanyag Szaktelep Kft.

Mapei Co-ordinator: Béla Pálmai, Mapei Kft (Hungary)