



STUDIO ORIGINAL DESIGNERS 6R5 NETWORK

TECHNICAL DATA SHEET

STUDIO ORIGINAL DESIGNERS 6R5 NETWORK – www.od6r5.com

The Studio – whose professionals are Francesco Roggero, Albino Pozzi, Rita Alfano Roggero and Kiyoto Ishimoto – is active since 1971 in many nations around the world as a consultant to various industrial groups. The concept of the Studio is “ Living among Nature and Technology for a new quality of inspiration”. Naturalness and lightness of the things combined to the function and to the future technologies and life-styles, knowledge of being an international Studio oriented towards the research and to non-conventional shapes and solutions.

In the renovation project in 2015 of the Torre Arcobaleno – the Studio was the general coordinator, organizer and designer of the initiative.

BAZZEA B CONSTRUCTION TECHNOLOGY – www.bazzea.it

Established in Vigevano in 1984, in 2013 it became a trademark of B Construction Technology, specialised in integrated dry building systems, which combines industrialised building works and energy conservation, with special focus on external finishing systems. Indoor and external, special application and thermoacoustic finishings are the activities which, together with technological know-how and the choice of top-quality materials, have consolidated the constant growth of the company making Bazzea a market leader. With the Rainbow Tower project, the aim is to continue to grow in the field of redevelopment and architectural surface cleaning.

Thanks to its attention to the needs of contemporary architecture, the company was also chosen to provide its services to complex and innovative projects, and at the sites of such architects as Massimiliano Fuksas, Tadao Ando, Ricardo Bofill, Richard Meier, Zaha Hadid and Pininfarina.

As far as Torre Arcobaleno repair works, Bazzea, in charge of the technical management of the construction site, was responsible with its people of the various stages during the 25 days of maintenance. They started by cleaning the 1,000 square metres of ceramic surfaces, which had been attacked by fine dust at the top and metals – in particular iron – at the bottom. They then went on to remove the graffiti that was defacing the surface, protecting it, once the job was completed, using special anti-graffiti paint. After, they replaced all missing and damaged tiles and repaired and painted the 24 35-metre-high concrete ribs. Finally, to better weatherproof the structure, they covered the tower roof using a double waterproofing sheathing.

Patronage

Milano



Comune
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Arredo, Decoro Urbano
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With assistance from



GRUPPO FERROVIE DELLO STATO ITALIANE



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CONDOR – www.condorspa.it

Condor is the Italian manufacturing leader for construction building equipment, and production and design of formwork and scaffolding.

The continuous innovation that has marked the history of the company since 1980, has built a solid competitive advantage through the development on a total area of 110K square meters of highly automated production process.

Condor is one of the most modern companies worldwide, with a range of more than 30 construction building systems completed by customised design solutions and a great organization with many branches on market areas.

This mix allowed the company to expand more and more its own markets scope, bringing it in 2014 to export half of its sales, in particular in Africa, the Balkans, Eastern Europe, Saudi Arabia, Qatar, UAE, Australia, North America and in the former CIS countries (Kazakhstan and Azerbaijan), counting among its references also important infrastructure projects, as part of the reconstruction which is affecting many of these countries.

Being close to new construction and urban regeneration themes, Condor joined, on the occasion of Expo 2015, the restoration project of the Arcobaleno Tower.

*“The urban regeneration project is a tribute to Milan - explains **Francesco Petrosino**, CEO Condor - and the millions of visitors of Expo 2015. Condor looked after the design, providing the equipment and the most innovative and safe systems of the market. The scaffolding used, is our multidirectional one, the Multicom.*

The characteristic of this system, that is the multi-directional coupling anchor of ledgers and struts, allowed to modify the scaffolding adapting it uniformly to the convex shape sections of the Tower, with custom made components and accessories.

Thanks to our system performance, the structure was realised with the highest quality standards, without impacting on the architectural form of the Tower and in a very short time”.

FILA SOLUTIONS – www.filasolutions.com

FILA Surface Care Solutions, brand of excellence in treatment of ceramic and stone surfaces, carried out cleaning and protection of the external façade of the Torre Arcobaleno, restoring its colours and brightness to their original beauty of 15 years ago.

The glazed ceramic tiles, ruined by rust and impregnated by smog, were treated by the company with FILA PHZERO, the concentrated acid descaler that effectively removes dirt and is ideal for vertical walls thanks to its viscous consistency.

A specific product was chosen by FILA to remove the graffiti on the lower part of the tower: FILA NOPAINT STAR, the perfect solution for removal of graffiti from walls. Finally, effective protection for the tiles was provided with application of FILASTOP DIRT, the dirt-repellent, anti-graffiti protector for textured and unglazed porcelain tiles that forms an invisible barrier on the surface, thus preventing the accumulation of dirt for easier, quicker cleaning.

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MAPEI – www.mapei.it

Mapei Group, 70 subsidiaries with 66 plants in the five continents, is today the world leader in the production of adhesives and complementary products for the installation of all types of floor and wall coverings. The company is also specialized in other chemical products for building

As far as Torre Arcobaleno repair works, Mapei intervention included preparation of the surfaces by removing the tiles that had become detached, a thorough clean of all the surfaces, removal of the crumbling areas and then a repaint.

Going into detail, Mapei supplied MAPEFER 1K and PLANITOP SMOOTH&REPAIR for the repair work on the concrete ribs. The uprights of the tower were then painted with ELASTOCOLOR PRIMER and ELASTOCOLOR WATERPROOF. To bond and grout the new tiles, Mapei provided ULTRALITE S1 and ULTRACOLOR PLUS. Finally the joints were sealed with MAPESIL LM.

To repair the waterproof layer on the round roof of Torre Arcobaleno the Mapei Group subsidiary company Polyglass, made a further contribution to the project by supplying IDROPRIMER, POLYFLEX LIGHT, POLYFLEX LIGHT MINERAL and MINERALFIX

MARAZZI – www.marazzi.it

Present in more than 140 countries, the Marazzi brand is universally recognised as synonymous with quality ceramic tiles, and symbolises the best of Italian style and manufacturing in the interior decoration and design sector. Marazzi is rooted in the district of Sassuolo (Modena), the world's key manufacturing district, at the cutting edge in the creation of high-end ceramic tiles, which has grown together with the company over the decades. In fact, Marazzi is responsible for the main technological, process and design innovations that have made the district a point of reference for the entire ceramics world. With products manufactured using environmentally sustainable and cutting-edge processes, Marazzi's range is unparalleled in the ceramics sector. Through its Engineering Division, Marazzi also provides the design and construction sector with consultancy and support for the creation of ventilated curtain walls and raised floors.

On the occasion of the modernization of the Torre Arcobaleno (Rainbow Tower), Marazzi has supplied, as in 1990, Sistem C ceramic tiles, a complete range of twenty-five colours, three surfaces (glossy, matt and structured non-slip), four formats and two 3D effect relief structures, is the ideal ally for the colour design of floors and surfaces in public and residential architectures. Environmentally-aware ceramics that are LEED®-certified thanks to the recycled material used in their production process.

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Scaffolding Design

BARRA & BARRA STUDIOS

Safety Coordinator

Dott/in/Arch Mario Marche

Drone shooting

Stefano Scarpiello

Photo shooting

Gianni Dal Magro

Further information and images: www.torrearcobaleno.it

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