



We did this
DOSSOBUONO DI VILAFRANCA (VR)

ARD...A CHALLENGING DESIGN SOLUTION!

This article describes a building in Dossobuono di Villafranca (VR), which has preserved the same aesthetics & long-term performance thanks to a state-of-the-art project.

The building, designed by Andrea Battistoni (Surveyor - Studio Battistoni) the first of its kind to be treated with a plaster finish ventilated insulating system, presented specific technical peculiarities whilst blending perfectly with the surrounding architecture. It is distributed on three floors and divided into 6 flats.

The ARD finishing cycle was devised specifically for this building. Ard's technicians collaborated with the designers to select the best products for the innovative project. The ventilated insulating system is still not very widespread in Italy even if it offers a better long-term

performance and living comfort. The construction was completed in 2009 though it appears "brand new" and is "under constant observation" due to its position - near a very busy road & railway station - and the unfavourable atmospheric conditions -heavy rain & fog -.

The "warm rusty" finish realized with Ardelast Intonachino is simply flawless. The hue is still homogenous and there are no patches or cracks, which confirms the product's qualitative standard/ performance.

Where did the idea of using a ventilated insulating system stem from?

Andrea Battistoni..."I have been designing buildings since 1990 (the year I began working in my father's studio). "Constructions" are my passion and I have always followed every step with the technicians. I evaluate every single detail and innovative ideas are always a priority!

I "fell in love" with ventilated facades during the many exhibitions I visited in

A
state-of-the-art
project
(Ardcoat system)
Dossobuono di
Villafranca



From the left:
Stefano Buganza,
Andrea Battistoni e
Fabio Nicolai





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Italy and abroad. In 2008, I founded a company which is specialized in designing and realizing buildings with this specific technology.

Unfortunately, the ventilated insulating system is still not very common in Italy so I decided to “test” it on the construction in Dossobuono, in fact, I used this innovative system and plaster facing which resembles our traditions”.

Could you describe the “ventilated insulating system”?

Andrea Battistoni...”This system unites comfort and the added value of an insulating system with external ventilation channels, which are positioned between the insulating system and the structure’s covering panels. The ventilation chamber not only offers the possibility of installing hydraulic/electrical plants, without damaging the exterior walls, but also provides a constant “chimney” effect and consequent thermal regulation according to the atmospheric conditions. In short, it resolves the problems related to humidity and thermal

Photos: building in Dossobuono di Villafranca



excursions resulting in a healthy environment. Furthermore, this system helps to “cushion” noises which improves living comfort. Finally, the ventilated system reduces the expenses related to maintenance, air-conditioning/heating and is also environmentally friendly”.

So the building in Dossobuono is a prototype!

Andrea Battistoni...”Absolutely, the coating was chosen specifically for the building in Dossobuono

.....the structure is about 15 centimetres away from the wall and the anchorage system, which supports the finishing slabs, is in aluminium & wood to optimize the land settling and overall performance. The building speaks for itself; after five years the system is still efficient and aesthetically pleasing”.

How would you define your relationship with Ard?

Andrea Battistoni...”In one word “flawless”! The technicians selected the



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most appropriate application cycle for the building. We then used a finishing panel in an innovative material; all the products had to be analyzed & tested to guarantee the desired results. Our customers “wanted” quality products, innovative technologies and aesthetics which would blend with the surroundings. After five years the cycle is still perfectone would think it had been applied yesterday!”

What did you have to consider to develop the application cycle?

Andrea Battistoni.... “We analyzed all the materials employed in the construction and then, together with Ard’s technicians, chose the best cycle. For example, the structure had been devised to bear land settling, so the paint had to offer an optimum elasticity even in low temperatures. A great deal of research was carried out to identify a



Description: 6 flats on 3 floors

Address: Viale Europa 63 Dossobuono di Villafranca (VR)

Project Manager: Andrea Battistoni (Surveyor - Studio Battistoni)

Construction & finishes: Fabio Nicolai - Surveyor

Painted surface: 700 Sq m

Ard consultant: Mr. G. De Rossi (Technical Assistance)

Ard agent: Stefano Buganza

Supplier (sales point): Tomelleri Stucchi - Verona

support mesh with an optimal stress-crack resistance (certified in compliance with the ITC CNR ETAG 004). The mesh was drowned into a filling layer of Ardcoat and covered with a second layer. This offered a very strong adhesion on all types of surfaces. We chose a paint with specific broad-spectrum biocides which lend an effective protection against the spreading of algae, fungi & molds...fundamental to protect the health of the occupants. Last of all, the chromatics had to be perfect and the result is exceptional.”

What was it about Ard that “hit you”?

We were familiar with Ard’s reputation and the top quality products. What surprised us was the proactive teamwork which was essential! Once again, the qualitative standard & long-term performance is astoundingone would think the building in Dossobuono was completed yesterday ”

Ardelast Intonachino 1,2 mm-

algae resistant acrylic-siloxane elastomeric filler coating. Thanks to a remarkable elasticity - even in low temperatures - ARDELAST INTONACHINO is specific for the restoration of cracked walls. It features optimum filling/covering power, alkaline inertia, adhesion (on clean & dry surfaces) & low dirt pick-up due to a self-reticulating substance which reacts under sunlight increasing surface hardness without reducing the film’s elasticity. ARDELAST INTONACHINO complies with the DIN 4108.3 Regulation according to which, protective products must offer good water permeability together with high water-vapour transpirability. The particular granulometric curve offers an optimum filling power resulting in a pleasant plaster effect which also uniform superficial irregularities. The presence of specific broad-spectrum biocides lends an effective protection against the proliferation of algae, fungi & moulds. ARDELAST INTONACHINO is ideal for the finishing of ETICS.

Ardcoat

ARDCOAT S8 is a ready-mix based on premier quality Portland cement, fluvial silica sands and additives suitable for the bonding & filling (interiors & exteriors) of thermal insulation panels such as EPS, stiferite, mineral wool (glass & rock) or cork intended for the realization of thermal insulation systems. The remarkable mechanical properties guarantee a solid adhesion to insulating panels (which are notoriously subject to creeping) as well as the most common mural substrates such as bricks, plastered walls, concrete etc. Furthermore, the particular granulometry and optimum workability result in a filling mortar which offers an excellent uniforming power, easy application & a finishing similar to two-coat plaster work. It is also suitable for reinforced fillings on coplanar surfaces with old paintwork or bonded coatings. ARDCOAT S8 complies with the ETAG 004 (Guideline for European Technical Approval of ETICS). ARDCOAT C8 is a ready-mix cementitious monocomponent suitable for the bonding & filling of interior/exterior thermal insulating panels such as expanded polystyrene (EPS), stiferite, mineral wools (glass or rock) or cork intended for the realization of thermal insulation systems. The remarkable mechanical properties guarantee a solid adhesion to insulating panels (which are notoriously subject to creeping) as well as the most common mural substrates such as bricks, plastered walls, concrete etc. Furthermore, the particular granulometry & optimum workability result in a filling mortar which offers an excellent uniforming power, easy application & a finishing similar to two-coat plaster work.

