

A lecture about
**THERMAL AND ACOUSTIC
INSULATION OF WINDOW FRAMES**

4th Jan 2017 | Indus Valley School of Art and Architecture, Karachi | 5:00 pm till 6:00 pm



Sustainability in Construction Karachi | Housing Standards | Proposal for Karachi
Special focus on doors and windows | Local norms Vs International standards

Speakers

Mr. Gianluca Rubagotti
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Mr. Mario Liberali

In collaboration



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Description of the lecture

The progress in constructing buildings springs from the drive of new standards which focus on comfortable, healthy and sustainable housing in the interest of the end user and the environment, issues which can no longer be ignored; this has resulted in the amelioration of both products and techniques, ever updated to achieve better performances in terms of housing comfort and energy saving alike.

The building envelope plays a leading role as partition between indoors and outside world capable of a dynamic interplay between two immediate surroundings often reflecting opposite climatic conditions: when cold outside in the winter the inside must be kept warm, when hot during the summer it must be cool inside, whenever on the outside it is rainy and windy the inside should be dry and sheltered, when there's noise outdoors, quiet has to reign supreme on the inside.

In this context the overall design of the window opening is a crucial point allowing one to achieve the best of results with the minimum energy consumption: top performing windows, thermally and acoustically insulated, are the starting point for energy saving and comfort along with an external shading system as rollerblinds capable of preventing internal over heating during the summer and ensuring extra thermal and acoustic insulation.

Last but not least is the technique with which the system has to be constructed on site: modern protocols are completed by a specially designed sub frame anchored to and plastered along with the brickwork which warranty, regardless of the skill of the craftsmen, of the accuracy to avoid any leakage in terms of energy or noise once the window is finally positioned.

www.roverplastik.it



Description of the Company

Roverplastik was founded in 1965 by today's President, Renato Festi, as a one man business. He started the production of PVC roller blinds, with no other personnel, in a rented area in Rovereto. Over the years Roverplastik has widened the product range. With 50 years of experience, Roverplastik Spa is the leader company for creativity and technological innovation in the field of products conceived for a comfortable home.

Today Roverplastik is directed by Mario Liberali as General Manager. Roverplastik is recognized as a wide range manufacturer for the production of motorized roller blinds, roller blind boxes, motors for hung shutters, weatherstrips for wooden door and window frames, aluminium sections for waterdrip, PVC folding doors and RoverBlok, a special prefabricated counter-frame system for doors and Windows.

The care Roverplastik takes in developing this range ensures products to be solid and burglar-proof. Top-quality materials and modern technologies allow excellent characteristics as the security for the end-users (steel roller blinds with polyurethane insulation are an excellent burglar-proof barrier) and as the insulation, both thermal and acoustic. Motorization is another strong point: the rapid development of domestic automation today allows us to control and operate all the home systems just by sending a short message by a mobile phone.

In 1997 Roverplastik obtains Quality System Management certification by Det Norske Veritas, as to the international standard ISO 9002:1994, later updated to the standard ISO 9001:2008 in 2010. An important stage in company development is represented by the enlargement of the production area. Roverplastik has been recognized as "Casa Clima Partner" thanks to the high technical competence demonstrated in the planning and in the sustainable management of its production (that is manufacturer able to respect the strict standards imposed by this well-known system of energy certification of buildings); Partner Habitech with RoverBlok mapped LEED by TÜV Italy; Partner Information Centre PVC; Partner ANIT.

Roverplastik exports its product all over the world the Italian technology.