ACTIVE FACADES & ENVELOPES

SSC

PHOTOVOLTAICS FOR ARCHITECTURE



Tour & Taxis IBGE | Brussels | © Cepezed - Samyn & Partners | ISSOL 2013

WWW.ISSOL.EU

Engineering of the building envelopes

Manufacturing of active building components

Replace traditional construction materials with ours that produce electricity. ISSOL manufactures and develops solutions that integrate photovoltaic technology into the envelope of buildings to make them more beautiful and energy producing.



MORE ADVANTAGEOUS THAN A TRADITIONAL FACADE THANKS TO THE ENERGY PRODUCTION

PHOTOVOLTAIC GLAZING FOR THE BUILDING



ISSOL manufactures essentially a single product. It comes in infinite combinations. It is a conventional safety laminated glass equipped with photovoltaic cells of high performance. These assembles are tailored according to the needs expressed by the architects, considering the technical constraints of their building and the expected aesthetic renderings.

« A material in accordance with both the standards for building and Photovoltaics »

Manufactured with respect to the Directive of Products for Constructions (89/106 / EEC). These are thermally toughened glasses in accordance with the norms EN12600, EN 12543, EN 12150, IEC 61215 and IEC 61730.



To respect the geometry of the Building, many kinds of "Active" cuts

Arquitectos by ISSOL

14

105



Mechanical tests of pressure and depression

« An infinite combination of shapes and **Colours** »





Beneteau - © F PERIOT Architecte - Marchegay by ISSO



You can count on our multidisciplinary team of designers, engineers specialised in the production of the envelope of the building, project managers and financial experts who will put in complete effort to carry out your project.

Through an agreement of collaboration, we assist project managers, architects, installers or shippers in the early study phase of their project.



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PROJECT DESIGN Engineers | Architects

Active Building Materials | Glazing





BY YOUR SIDE FROM DESIGN TO COMPLETION





MANUFACTURING

CONSTRUCTION Façade | Building Skin



PHOTOVOLTAIC SPANDREL GLASS FOR THE FINANCE TOWER OF LIEGE

INSTALLATION OF ACTIVE GLASSES ON FACADE



Our product is applied as a traditional siding. It is used by making use of installation techniques specific to facades on new buildings or the buildings to be renovated. Our active glasses are suitable for facades, roofs and stained glass.

Our common installation techniques

- Curtain wall
- Pinching
- Glass Sealant
- Mechanical fasteners
- Cassette
- Frame

4

- IGU (Insulated Glass) - Double/Triple

Tour des Finances de Liège | Simco Italia | © Jaspers & Eyers Architects | Photo : P.Andrianopoli 2015

The connectors and the junction box are fixed on the edge or at the back of the vitrage through Installation technique.

The use of the product is carried out according to NF DTU 39 and the specific requirements of installation

REFERENCES

THE TEAM



City of Music Seguin Island (Paris - 2016)

ISSOL for TCE Solar and Bouygues Constructions -Architect : Shigeru Ban



CREA 2016 -Rouen (France) © Jacques Ferrier Architectures | Image Doug & Wolf



Business Centre NEGUNDO 4 -**IDETA** Tournai (Belgium)

© Luc Moulin

Architect - 2016



of Paris © Architect Renzo Piano



Union Eiendomsutvikling AS - OSLO (Norway) © Ingebjørg Lien, LOF Arkitekter



Treurenberg Office building -Brussels 2015

© Assar Architects



Minister of Defense - Paris 2015

© Agence Nicolas Michelin & Associés



Vente-privee.com -Paris 2015 © Wilmotte & Associés



7



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Perpignan SNCF **Train Station** © L35 Arquitectos 2010



Brynsengfaret Municipal School in Oslo © HRTB Arkitekter, Oslo



Superplastic (Liège - Belgium) © Architectes V.Boveroux G.Courtoy

10

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