



WORLDWIDE PARTNER

NEW INTERNATIONAL OLYMPIC COMMITTEE HEADQUARTERS REFLECTS GLOBAL UNITY THROUGH ARCHITECTURE AND DESIGN

DOW SOLUTIONS POWER OLYMPIC HOUSE BUILDING FROM THE INSIDE OUT

The Olympic Movement and International Olympic Committee (IOC) represent global unity and building a more peaceful world through sport. Those same values are reflected in the architecture of the IOC's new headquarters building, Olympic House. Currently under construction in Lausanne, Switzerland—in celebration of the institution's 100th anniversary of its establishment in this iconic city—Olympic House will serve as an inviting home for IOC members and the meeting place for the entire Olympic Movement.

This new headquarters, scheduled for inauguration in June 2019, is designed to blend with its environment through four main concepts, including:

- Integration within the natural park setting
- Movement inspired by athletes
- Peace represented in the building shape of a dove
- Unity as the global meeting place for the Olympic Movement

In addition to the aesthetic design, Olympic House will generate substantial long term savings, increased working efficiency and energy conservation, and will target achievement of Leadership in Energy and Environmental Design (LEED) Platinum certification.

To accomplish these goals, the IOC turned to Worldwide Olympic Partner and the Official Chemistry Company of the Olympic Games, The Dow Chemical Company, for efficient and sustainable product solutions.

UNITING ARCHITECTURAL DESIGN FREEDOM AND PERFORMANCE

The Olympic House façade architecture is one of the most important aspects of the building's aesthetics and performance. To construct the glass exterior and stay true to the symbolism of the Olympic Movement through the building's design, the IOC is incorporating a combination of long lasting silicone products for sealing and bonding. This includes DOWSIL™ 993 Silicone Structural Glazing, which bonds the exterior glass to metal framing without the use of visible mechanical fasteners. This enhances architectural design freedom, while providing excellent temperate resistance and durability that showcase effectiveness in weather year-round.

Simultaneously, DOWSIL™ 791 Weatherproofing Sealant and DOWSIL™ 3363 Insulating Glass Sealant improve airtightness of the building envelope, energy savings and to help reduce the cost of uncontrolled air leakage. The resulting façade is designed to permanently accommodate movement as it transfers wind loads from the glass to the framework and to support long-term structural capability, sound control and weather protection of the Olympic House building envelope.





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CLEARING THE AIR

To improve indoor air quality and minimize formaldehyde exposure within Olympic House, the IOC plans to coat interior walls with paint formulated using DOW PRIMAL™ SF-208ER Binder. This low-VOC*, waterborne, styrene-acrylic binder was created with patented FORMASHIELD™ Technology from Dow, which helps remove formaldehyde from ambient air in buildings by triggering a chemical reaction between formaldehyde and the binder. This then transforms the indoor air pollutant into harmless vapor, reducing potential health issues such as respiratory diseases, allergies, etc. Switzerland, home to Olympic House, is one of several countries within the European Union and beyond that has actively addressed the issue by setting a limit on ambient air formaldehyde levels in living spaces.

BUILDING A SOLID FOUNDATION FROM THE FLOOR UP

DOW WALOCEL™ Cellulose Ether will be used as a key component in the Olympic House flooring adhesive to help set the tiles in place.

DOW WALOCEL™ Cellulose Ether is a hydroxethyl methyl cellulosic (HEMC) thickener that imparts advanced workability during installation, while standing up to sagging and water retention over the long term. DOW WALOCEL™ Cellulose Ether also offers slip-reducing properties, offering a safer tile adhesive solution for visitors of Olympic House.

RAISING THE ROOF

The Olympic House campus is thoughtfully-designed from top to bottom with sustainability and multi-use spaces at the forefront. The application of DOW VERDISEAL™ Waterproof Membrane on the parking lot rooftop offers excellent environmental protection. The coating does not use fumes, open flames or solvents that are known to contribute harmful emissions. The spray-applied polyurethane will also protect against invasive root species over the long term, setting the foundation for lush rooftop gardens that will surround the parking lot in the future.



THE OLYMPIC HOUSE FAÇADE ARCHITECTURE HAS BEEN DESIGNED FOR EFFICIENCY AND STUNNING AESTHETICS AS A NOD TO THE BUILDING'S EMBLEMATIC STATUS REFLECTING THE OLYMPIC MOVEMENT.

For more information: www.dow.com/sports

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*High-resolution photography available upon request

*VOC substances are not intentionally added and are not knowingly introduced from another raw material.

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