FROM LIGHTWEIGHT COMPOSITES FOR FASTER LUGE SLEDS TO ENERGY-EFFICIENT INSULATION IN MULTIPLE FACILITIES, DOW CONTINUES TO SUPPORT THE OLYMPIC WINTER GAMES WITH DOZENS OF SUSTAINABLE AND HIGH-PERFORMANCE SOLUTIONS – DEVELOPED AT THE INTERSECTION OF SPORT AND SCIENCE – AT THE OLYMPIC WINTER GAMES PYEONGCHANG 2018.

**SCIENCE BEHIND SPORT**

**OLYMPIC VENUES**

**SLIDING CENTRE**
A polyurethane spray foam made with Dow VORANOL™ Polyether Polyol and PAPI™ Polymeric MDI insulates the ice in the Sliding Centre for reliable temperature regulation in luge, bobsleigh and skeleton competitions. Dow PRIMAL™, ACRYSOL™, and WALOCHEL™ technologies are used in the start house’s Exterior Insulation Finishing System (EIFS).

**OLYMPIC VILLAGE**
For a comfortable living environment, Dow Corning® 1001 Perimeter Silicone Sealant helps keep the warmth in and the elements out. The same coating technologies used in the Sliding Centre are also used in the interior finishing putty on the walls of the Olympic Village.

**OLYMPIC PLAZA**
Insulation panels with Dow PAPI™ Polymeric MDI help increase energy efficiency of this landmark location. The slabs and roof contain VORARST™ coating technology to help protect it from costly water damage.

**INTERNATIONAL BROADCAST CENTRE**
Media reporting on the Olympic Winter Games want to work in a comfortable environment that withstands frigid PyeongChang weather. Dow Corning® 1001 Perimeter Silicone Sealant helps keep the warmth in and the elements out. The same coating technologies used in the Sliding Centre are also used in the interior finishing putty on the walls of the Olympic Village.

**ICE VENUES**
DOWTHERM™ Heat Transfer Fluids help maintain optimal ice conditions in skating rinks at three venues in the Gangneung Coastal Cluster.

**YEONDONG EXPRESSWAY**
Road marking paint utilizing FASTRACK™ Technology offers enhanced reflectivity on the Yeongdong Expressway, helping safely guide drivers from Seoul to PyeongChang.

**MODULAR HOUSES**
Dow Corning® 1001 Perimeter Silicone Sealant and PIR panels with Dow PAPI™ Polymeric MDI help create a weatherproof seal that keeps heat inside the homes of drivers who will shuttle athletes and fans to the Olympic Winter Games.

**LUGE**
With advanced materials, manufacturing and in-lab and on-track testing, Dow collaborates with USA Luge engineers to develop sleds that are faster, more tuned and precise.

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