



MONTREAL, CANADA,
OLYMPIC GAMES 1976



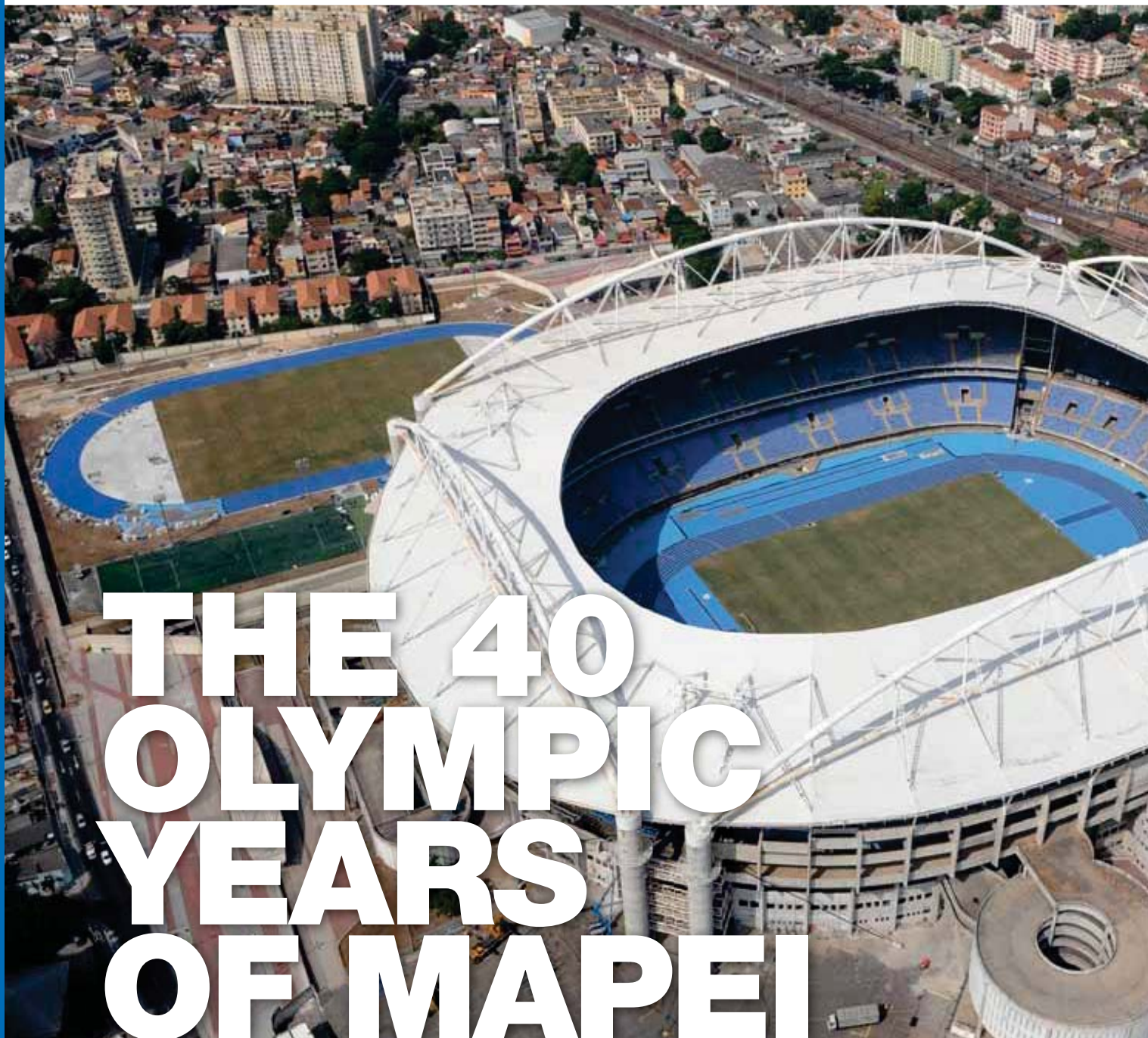
MOSCOW, RUSSIA,
OLYMPIC GAMES 1980



BARCELONA, SPAIN,
OLYMPIC GAMES 1992



ATLANTA, USA,
OLYMPIC GAMES 1996



THE 40 OLYMPIC YEARS OF MAPEI

FROM MONTREAL 1976 TO RIO 2016, MAPEI
CELEBRATES ITS PRESENCE AT THE OLYMPICS



SYDNEY, AUSTRALIA
OLYMPIC GAMES 2000



ATHENS, GREECE
OLYMPIC GAMES 2004



PEKING, RPC
OLYMPIC GAMES 2008



LONDON, UK
OLYMPIC GAMES 2012

Where there is sport, especially at the highest level, there is also Mapei. From cycling to football, from basketball to volleyball and from Alpine skiing to golf, you will often see the Mapei brand emblazoned on an athlete's kit or on the advertising hoardings that add an extra splash of colour to all the most important international sporting events.

A multi-faceted presence that sees the company also playing a leading role where science meets sport: it is the Mapei Sport Research Centre in Olgiate Olona (Northern Italy), an European research centre of excellence that operates in the field of sports, carrying out important scientific research and providing assistance for athletes from all sectors of sport in order to help improve their performance.

The attention Mapei pays to sport is also shown in sponsoring important events, especially in the world of cycling. Besides, concrete examples of Mapei's commitment to sport can be seen in the supply of products for the construction and maintenance of facilities used in the last four decades for the various editions of the Olympic Games and the major European and international sports events.

For the 2012 London Olympic Games (see *Realtà Mapei International* no. 39) and the 2016 Rio Games, through the company Mondo, Mapei supplied adhesives for the athletics tracks, as well as building products for sports arenas and hospitality complexes. For the 2014 Winter Olympics in Sochi (Russian Federation) Mapei supplied solutions for the construction and upgrading of the Olympic Village, the surrounding reception structures and infrastructures in various areas of Russia (see *Realtà Mapei International* no. 39).

Mapei products and systems were also used in the construction of various football stadiums in Brazil used to host the 2014 World Cup (see *Realtà Mapei International* no. 39).

XXXI OLYMPIC GAMES

For the most recent Games too, held in Rio de Janeiro in Brazil from the 5th to the 21st of August 2016, the technology found in Mapei products was decisive in installing the athletics track in the Nilton Santos Olympic Stadium, also called Estádio Olímpico João Havelange. Zero medals, zero podiums and zero results. Italian athletics just couldn't make it happen at the 2016 Rio Olympics. But there is also an Italy that works with a tradition for endeavour that did win: the athletics track on which Usain Bolt, the multi medal-winning Jamaican sprint champion, and hundreds of other athletes ran and won was designed and manufactured by Mondo, a company founded in 1948 in Alba (Province of Cuneo, Northern Italy), and installed using a Ma-



NILTON SANTOS STADIUM,
RIO DE JANEIRO, BRAZIL,
OLYMPIC GAMES 2016

NILTON SANTOS STADIUM IN RIO DE JANEIRO

The athletics track at Nilton Santos Stadium (also called João Havelange Stadium) in Rio de Janeiro – hosting the athletic races during the 2016 Olympics – was installed using ADESILEX G19 two-component adhesive.



TECHNICAL DATA

Nilton Santos Stadium, Rio de Janeiro (Brazil)

Year of the Intervention: 2016

Intervention by Mapei:

supplying products for installing the rubber athletics track supplied by Mondo (Mondotrack/WS)

Client: Empresa Municipal de Urbanização - Riourbe

Contractor: Construtora Augusto Vello

Works Direction: Antônio Nascimento

Rubber Installation

Contractor: Play Pisos

Mapei Co-ordinator: Nathaniel Woodhead, Mapei Brasil
Materiais de Construção LTDA

MAPEI PRODUCT

Adesilex G19

pei product of excellence.

Rio 2016 was the eleventh Olympics with the Mondo and Mapei hallmark and, for both companies, confirmation of the natural path of their constant, uninterrupted commitment since Montreal in 1976.

For the first time in history the athletic events were immersed in blue: the blue of the innovative Mondotrack/WS track installed in Brazil by Mondo using the powerful Mapei adhesive ADESILEX G19. Blue is a particularly trendy colour that produces excellent TV images and has the merit of bringing to mind the Brazilian flag.

A track that proved to be not only fast and safe, but also a winner. Two new world records were set on it: in the 10,000 m women's event by the Ethiopian Almaz Ayana (a new World and Olympic Record of 29:17.45) and in the 400 m men's event by the South African runner Wayde Van Niekerk (a new World and Olympic Record of 43.03).

IN THE SPOTLIGHT ADESILEX G19

It is an extremely strong and flexible all-purpose adhesive especially recommended for non-absorbent or moisture-sensitive surfaces. ADESILEX G19 is used for interior and exterior bonding of rubber, PVC, textile, needlepunch, and

linoleum flooring, polystyrene and polyurethane panels, fibrous concrete, wood, sheet-metal, and plastic laminates.

ADESILEX G19 is a two-component epoxy-polyurethane adhesive. Mixing the parts carefully forms a uniformly coloured paste that is easily applied with a notched trowel.



The athletics track in the UNIFA (University of the Brazilian Airforce), which was used as a training track for the athletes taking part in the events, was also installed with Mapei ADESILEX G19.

UNIFA (University of the Brazilian Airforce)

33 world records were also set on this track during the Paralympic Games.

One of the strong points of the new Mondo track is, without a doubt, its technology for surface drainage, which provides an even greater grip in raining conditions. It also enhances slip-resistance and traction to the point where spikes on athletes' shoes do not have to penetrate the track surface in order to grip, even in wet conditions.

This boosts the athlete's performance by cutting the time and energy required for spike penetration and retraction. At the same time, the low-penetration spikes lengthen the athlete's stride by making the track surface deflect and recover like a bowstring, literally launching the athlete away from the surface.

A POWERFUL ADHESIVE FOR A FAST TRACK

From a technical point of view Mondotrack/WS – which was



TECHNICAL DATA

UNIFA (University of the Brazilian Airforce), Rio de Janeiro (Brazil)

Year of the Intervention 2016

Intervention by Mapei: supplying products for bonding the rubber athletics track supplied by Mondo (Mondotrack/WS)

Client: Brazilian Sport Ministry

Works Direction: Antônio Nascimento

Rubber Installation

Contractor: Play Pisos

Mapei Co-ordinator: Nathaniel Woodhead, Mapei Brasil Materiais de Construção LTDA

MAPEI PRODUCT

Adesilex G19

also installed using ADESILEX G19 at the UNIFA (University of the Brazilian Air Force) campus as a training track for the athletes taking part in the events – has a surface layer in rubber that guarantees excellent dynamic elasticity and uniformity of dynamic response over the whole track.

Mondotrack/WS also offers optimum support to foot movement, enhancing movement efficiency and energy return while minimizing impact forces and vibrations.

For athletics tracks made of synthetic rubber rolls, epoxy-polyurethane adhesives must be used for their capacity to perfectly bond to the substrate, normally made of a layer of bituminous cementitious conglomerate.

For this type of application Mapei developed specific adhesives, such as ADESILEX G19 and ADESILEX G20. These adhesives ensure a perfect bond of the athletic tracks and contribute to the performances of the whole system and the athletes.

After hardening in approx. 24 hours solely through chemical reaction and without shrinkage, ADESILEX G19 becomes flexible, resistant to moisture, water, heat and atmospheric agents, with high bonding characteristics on almost all materials commonly used in construction. It is ideal for installing rubber

flooring for athletic complexes, even on asphalt bases (e.g. tracks).

