

SIKANEWS

URBANIZATION DRIVES SIKA'S GROWTH: HUDSON YARDS

Urbanization is one of the most prominent megatrends and major cities are going vertical. This is the only way to create space for the growing number of people being drawn to urban living. The Hudson Yards project in Manhattan perfectly illustrates the opportunities provided by densification and the challenges in construction for which Sika provides the solutions.



Hudson Yards, New York City

Office accommodation for 50,000 people, 4,000 apartments, 100 shops and restaurants, a hotel, schools, and parks. Hudson Yards on Manhattan's West Side is set to become a city within a city, complete with a 50-meter-high interactive art installation.

HOW DENSIFICATION WORKS

At USD 25 billion, Hudson Yards is the biggest private real-estate project in US history, and a textbook example of densification in construction in an urban environment. Until a few years ago, all you would



have seen at this site on the Hudson River were Long Island Rail Road trains being marshaled. Now a huge platform has been erected across the marshaling yard, above which around 15 skyscrapers jut further into the sky with every week that passes. By the time the project is completed, around 1.7 million m² of usable space will have been gained. Urban centers act like magnets. Worldwide, three million people a week move into cities; by 2050, seven out of ten people will live in an urban environment.

MORE COMFORT, GREATER SAFETY

When people live closer together, the requirements that buildings have to meet increase. Quality, safety, and sustainability become more important, as the Hudson Yards project shows. Given the stringent standards that skyscrapers have to meet in terms of strength, concrete becomes a key construction material. The site's proximity to the Hudson River makes robust and reliable waterproofing a must. The skyscrapers' glass facades must be able to withstand strong winds and steep fluctuations in temperature.

SUCCESS MODEL

Sika has the right technologies for all these challenges, from additives for high performance concrete and self-leveling mortars to waterproofing solutions and sealants for glass facade elements. But Sika is more than just a broad range of innovative products. The Group stands apart for its

comprehensive, solution driven approach and technical experts, many of whom work in sales and provide professional advice to customers, frequently doing so on the construction sites themselves. Partnership begins at the planning phase, when specifications for the products that will be required are drawn up, and continues throughout the entire project.

SIKA'S SOLUTIONS FOR URBAN CONSTRUCTION

- HIGH PERFORMANCE CONCRETE
- SELF-LEVELING MORTARS
- WATERPROOFING SYSTEMS
- SEALINGS FOR INSULATION
- TECHNICAL ADVICE
- LONGEVITY OF SIKA TECHNOLOGIES FOR REDUCED TOTAL COSTS OF OWNERSHIP

FURTHER INFORMATION

- [Sika Annual Report 2018: Urbanization drives growth](#)
- [Why invest in Sika - the megatrends](#)

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