

SIKA HAS THE SOLUTIONS FOR NEW TRENDS IN CONSTRUCTION – MODULAR BUILDING

Construction sites are changing and modular building is one of the predominant trends in modern construction. Instead of building work being carried out entirely on site, structural modules are increasingly being pre-fabricated using automated processes and assembled at the construction site. Sika adds value to this trend. With the company's experience construction processes can be industrialized, efficiency enhanced and standards raised.



A fasthouse construction from Ireland where Sika products have been used in the modular construction.

MODULAR CONSTRUCTION MARKET TO REACH CHF 155 BILLION BY 2023

Off-site construction shows strong growth rates. The demand for more productivity in construction is high – especially in urban areas where there is the need to solve housing and public building shortages such as schools or hospitals and at the same time manage skills shortages on the construction site.

Forecasts predict that the global modular construction market will grow from CHF 110 billion in 2018 to CHF 155 billion by 2023. Factory assembly of modular buildings and components such as floors, walls, roofs, bathrooms or complete houses also brings advantages in terms of cost and time savings, reduced site deliveries and the subsequent local impact of construction, less need for sub-contractors,

and a reduced risk of delays caused by poor weather. The subsequent reduction in material handling and the decrease in the amount of waste produced on-site also makes this method of construction more sustainable. At the same time modular building enables mass production and repeatability.

ADHESIVES ARE REPLACING NAILS AND SCREWS

This is where Sika occupies a unique position. Using the comprehensive experience and product range of its industrial business, such as vehicle manufacturing, which the company has built up over many years, Sika is able to massively speed up the construction processes. Its high-tech adhesives especially developed for industrialized processes are the key technologies which are needed for automation. Sika's offerings comprise standard construction products and more advanced time saving solutions that are applied by pumps and robots. Nails and screws can be replaced; there is no further need for work to be done by hand. Sika is already working closely with leading global companies which are driving the industrialization in construction further forward.



A Schönox waterproofing system installed in a bathroom pod

SIKA AG

Zugerstrasse 50
6341 Baar
Switzerland
www.sika.com



“Sika has a unique offer combining high quality construction products with the know-how to optimize the production process.”

Scott Henry, Senior Vice President, Industry

SIKA'S SOLUTIONS FOR MODULAR BUILDINGS

- SIKA ROOF SYSTEMS
- SIKA TILE ADHESIVES FOR GROUTS, FLOORS, AND WALLS
- SIKA WETROOM SYSTEMS
- SANDWICH PANEL BONDING FOR WALLS AND CEILINGS
- SIKA FIRE SOLUTIONS FOR DUCTS AND CABLING
- STRUCTURAL BONDING FOR STEEL FRAMES
- SIKA ADHESIVES FOR WALL TO FLOOR BONDING
- SIKA ADMIXTURES FOR CONCRETE FLOOR SLABS

FURTHER INFORMATION

- [Cities are going vertical – high-density construction](#)
- [Cities drive growth – urbanization](#)
- [Sika's industry markets](#)