

Build high-performing
concrete floors



**PEIKKO SOLUTIONS FOR
INDUSTRIAL FLOORING**

ROBUST FREE MOVEMENT JOINT SYSTEMS MEET YOUR INDUSTRIAL FLOORING REQUIREMENTS

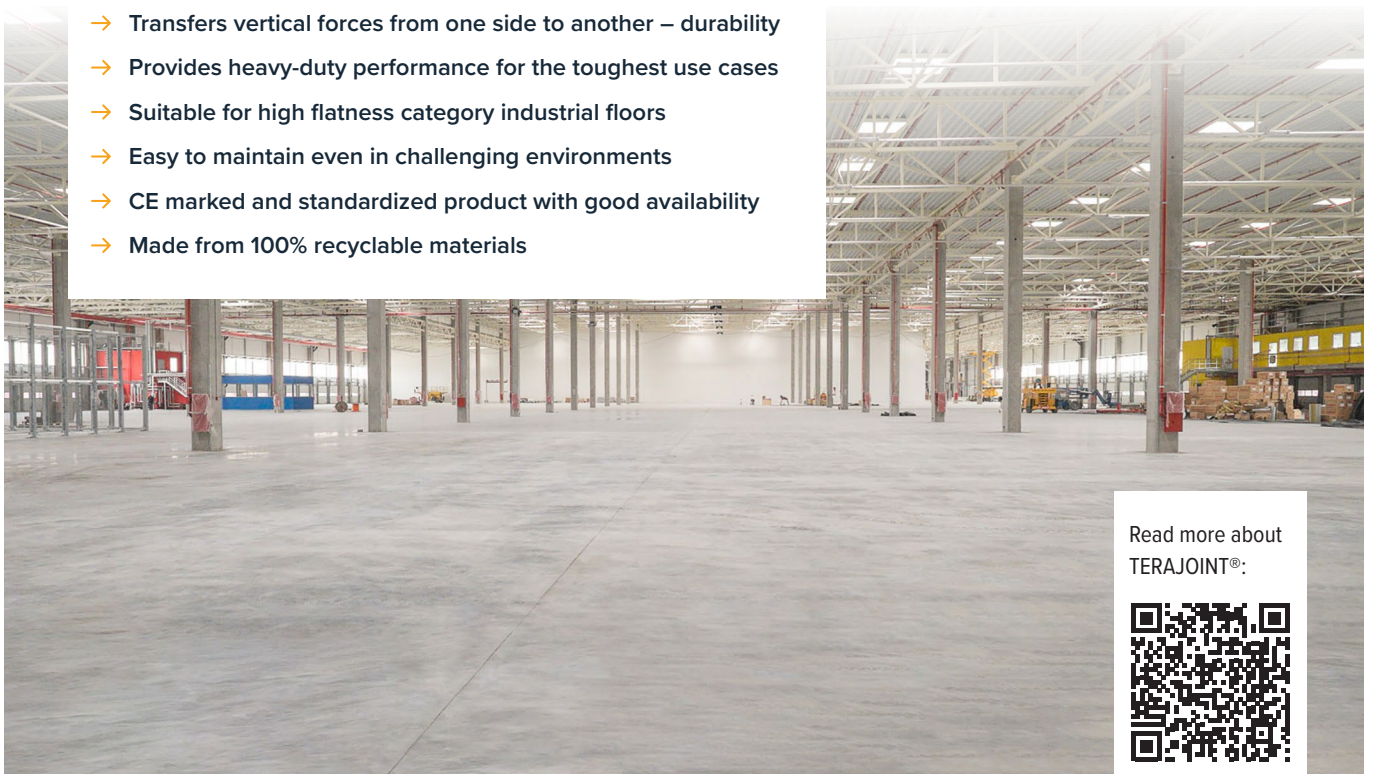
Industrial floors are surfaces that are substantially exposed to heavy loads and constant use. A smooth and strong flooring solution enables the pace of a busy industrial environment and ensures that daily operations are proceeding smoothly. A proper floor joint system prevents both drying shrinkage and thermal expansion, and helps the floor fulfill both the aesthetic and the environmental requirements.

TERAJOINT® Free Movement Floor Joint Systems eliminate an important concern common to industrial floors: the random cracking of concrete that can occur during the curing or shrinkage phases of the concrete. TERAJOINT® also minimizes the damage of slab edges caused by degradation or misalignment of floor joints.

TERAJOINT® is available in plain steel, stainless steel, hot-dip galvanized and even acid-proof finish, which makes it an ideal solution even for the most demanding operational environments.

WHY TO CHOOSE TERAJOINT®

- Prevents concrete cracks
- Shows the correct level of concrete – easy to install
- Transfers vertical forces from one side to another – durability
- Provides heavy-duty performance for the toughest use cases
- Suitable for high flatness category industrial floors
- Easy to maintain even in challenging environments
- CE marked and standardized product with good availability
- Made from 100% recyclable materials



Read more about
TERAJOINT®:



WHAT CAN WE OFFER?

Depending on your needs and building requirements, Peikko offers two alternative floor joint solutions. The TERAJOINT® system is designed to build formed free-movement joints, consisting of heavy-duty arris armoring, permanent formwork and a load transfer system. TERAJOINT® Strong is specialized for high loads and wider joint openings.

TERAJOINT®

TERAJOINT® is a prefabricated leave-in-place joint system designed to build formed free-movement joints, consisting of heavy-duty arris armoring, permanent formwork and a load transfer system. It is suitable for all large-area construction methods for ground-bearing and pile-supported concrete floors.

FEATURES

- for moderate and medium loads
- circular dowels: 5 or 6 mm
- opening max. 20 mm
- 5 dowels / joint c/c 600 mm

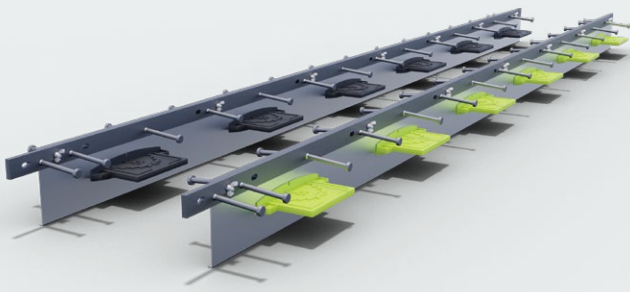


TERAJOINT® STRONG

TERAJOINT® Strong is the industry standard in the range of prefabricated heavy-duty movement joint systems for high flatness category industrial floors. It is suitable for all large-area construction methods for ground-bearing and pile-supported concrete floors.

FEATURES

- for high-load applications
- rectangular dowels: 6 or 8 mm; 12 mm upon order
- opening max. 30mm
- 6 dowels / joint c/c 500 mm



PEIKKO DESIGNER®: FLOOR JOINTS

Our free and powerful software makes your work faster, easier and more reliable. Peikko design tools include design software, 3D components for modeling programs, installation instructions, technical manuals, and product approvals of Peikko's products.

See all our solutions in [peikko.com/for-designers](https://www.peikko.com/for-designers)

PEIKKO INDUSTRIAL FLOORING REFERENCES



Project general contractor Mitnijos (www.mitnija.lt)

LIDL LOGISTICS CENTRE, KAUNAS, LITHUANIA

Peikko delivered Steel structures for roof – over 1,800 tonnages and all other types of Peikko connections products plus TERAJOINT® Free Movement Joints (2 660 m) to the one of Lithuania's largest logistic center. The area of the facility is almost 42,000 square meters, with refrigeration systems occupying almost 14,000 m², and 1,300 m² designated for office space.

PROJECT FACTS

Project size: 42,000 m²

Construction Company: UAM Mitnija

Structural Designer: UAB FMC Probal

Precaster: UAB Betonika

Delivery year: 2014

Completion year: 2015





LAND ROVER FACTORY, NITRA, SLOVAKIA

Peikko delivered TERAJOINT® Free Movement Joints to the large automotive factory in Slovakia. In first phase Peikko delivered 7 kilometers TERAJOINT® and later 4 km to the factory's assembly shop. The total area of the factory is approximately 300,000 m² and all its industrial floors will be constructed as jointless steel fiber reinforced concrete floors using Peikko's prefabricated contraction floor joints.

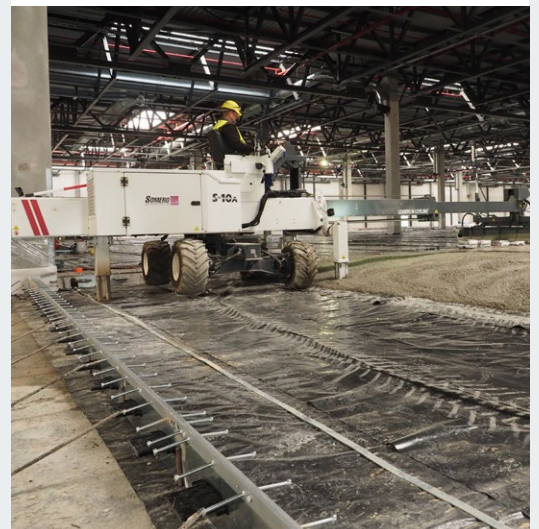
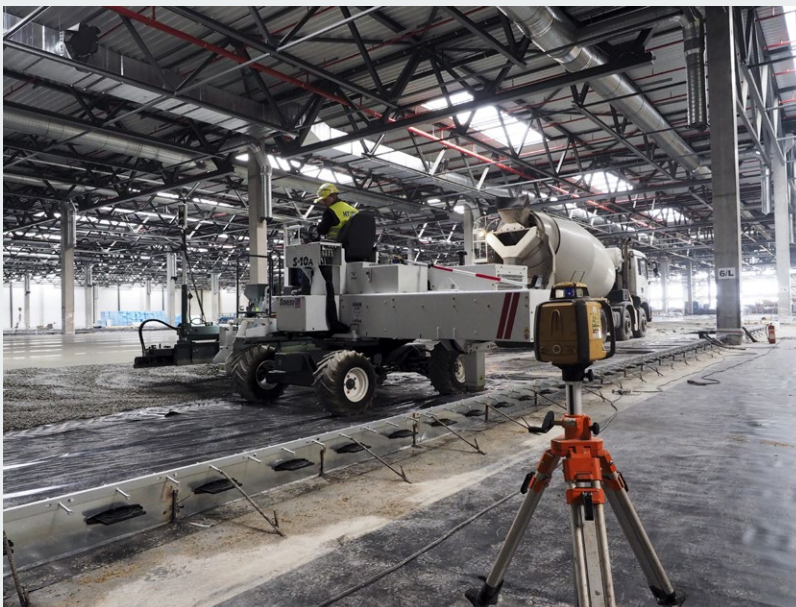
PROJECT FACTS

Project size: 300,000 m²

Developer: Jaguar Land Rover
Automotive PLC

Delivery year: 2016

Completion year: 2018



HELLA FACTORY, KAUNAS, LITHUANIA

Hella, one of the world's leading automotive electronics manufacturers, recently completed the expansion of their factory in Kaunas, Lithuania, and it required the very best floor flatness. Peikko's TERAJOINT® prefabricated free movement joint system played a key role in achieving the floor qualities they required.

PROJECT FACTS

Project size: First stage - 11,000 m²,
after expansion - 22,000 m²

Developer: UAB Hella Lithuania

Architecture and structural design office:
UAB Bendrieji statybų projektai

Construction company: UAB Veikmės statyba

Flooring contractor: UAB Grinbeta

Delivery year: 2017 and expansion in 2021

Completion year: 2018 and expansion in 2021



MONTES DEL PLATA PULP WAREHOUSE, PULP PLANT, COLONIA DE SACRAMENTO, URUGUAY

Peikko participated in the construction of the world's largest and most innovative pulp mill in Uruguay. Peikko delivered to the site over 300 tons of various types of precast connections, such as Flooring Joints, Column Shoes, Anchor Bolts, Fastening Plates and Rebar Coupling Systems.

PROJECT FACTS

Project size: 45,000 m²

Investor: Stora Enso

Delivery year: 2012



AMAZON LOGISTIC CASTEL S. GIOVANNI (PC), CASTEL SAN GIOVANNI, ITALY

Peikko delivered concrete floor products to Amazon Logistic Center in Italy. The center is located at a strategic near a motorway junction to serve well the area of Northern Italy. Center is characterized by a logistics infrastructure that allows rapid order fulfillment.

PROJECT FACTS

Project size: 70,000 m²

Delivery year: 2012

Completion year: 2013

CONTINENTAL TIRES MANUFACTURING SITE, HEIFEI, CHINA

The Continental Group is one of the largest auto parts supplier in the world, ranking in the Fortune 500. In 2009, the group formally began to invest in the manufacturing site in Heifei for their tire business. The project Peikko has been involved is the 3rd phase of Heifei production site building. As the leading company in auto parts industry, Continental Group has benchmarking standard for the industrial buildings. Peikko's TERAJOINT® solution is applied in this project of a challenging load-bearing request for flooring products.

PROJECT FACTS

Project size: 70,000 m²

Developer: Continental Corporation

Delivery year: 2016

Completion year: 2017



CONTINENTAL GREENFIELD, RAYONG, THAILAND

Greenfield plant will play an important role in Continental's long term growth strategy. Projects of such size are always demanding. Loading conditions, heavy fork lift traffic inside, weak soil in some areas and, in addition, tight schedule required special approach for design and construction of floor. Peikko delivered TERAJOINT® with 8mm dowels load transfer mechanism for ground bearing part of the floor area and with 12 mm dowels load transfer mechanism for pile supported part of the floor area. Total over 4 km of TERAJOINT® were delivered to this project.

PROJECT FACTS

Project size: 60,000 m²

Developer: Continental Corporation

Construction Company: THAI TAKENAKA Co. Ltd

Structural Designer: ARCHETYPE GROUP

Delivery year: 2018

Completion year: 2019



📍 EXPERT ADVICE LOCALLY AVAILABLE

Peikko offers expert advice during both design and construction phases, making building industrial floor spaces as safe as possible.

www.peikko.com



A faster, safer, and more sustainable way to design and build

Peikko Group is a leading global supplier of slim floor structures, wind energy applications, and connection technology for precast and cast-in-situ construction. Peikko's innovative solutions offer a faster, safer, and more sustainable way to design and build.