

Façade Support & Restraint
Masonry Support Systems

Leviat[®]
A CRH COMPANY

Scaldex SUMO

The new generation of masonry support systems



Imagine. Model. Make.



We imagine, model and make engineered products and innovative construction solutions that help turn architectural visions into reality and enable our construction partners to build better, safer, stronger and faster.

Leviat is a world leader in connecting, fixing, lifting and anchoring technology.

From the build of new schools, hospitals, homes and infrastructure, to the repair and maintenance of heritage structures, our engineering skills are making a difference around the world.

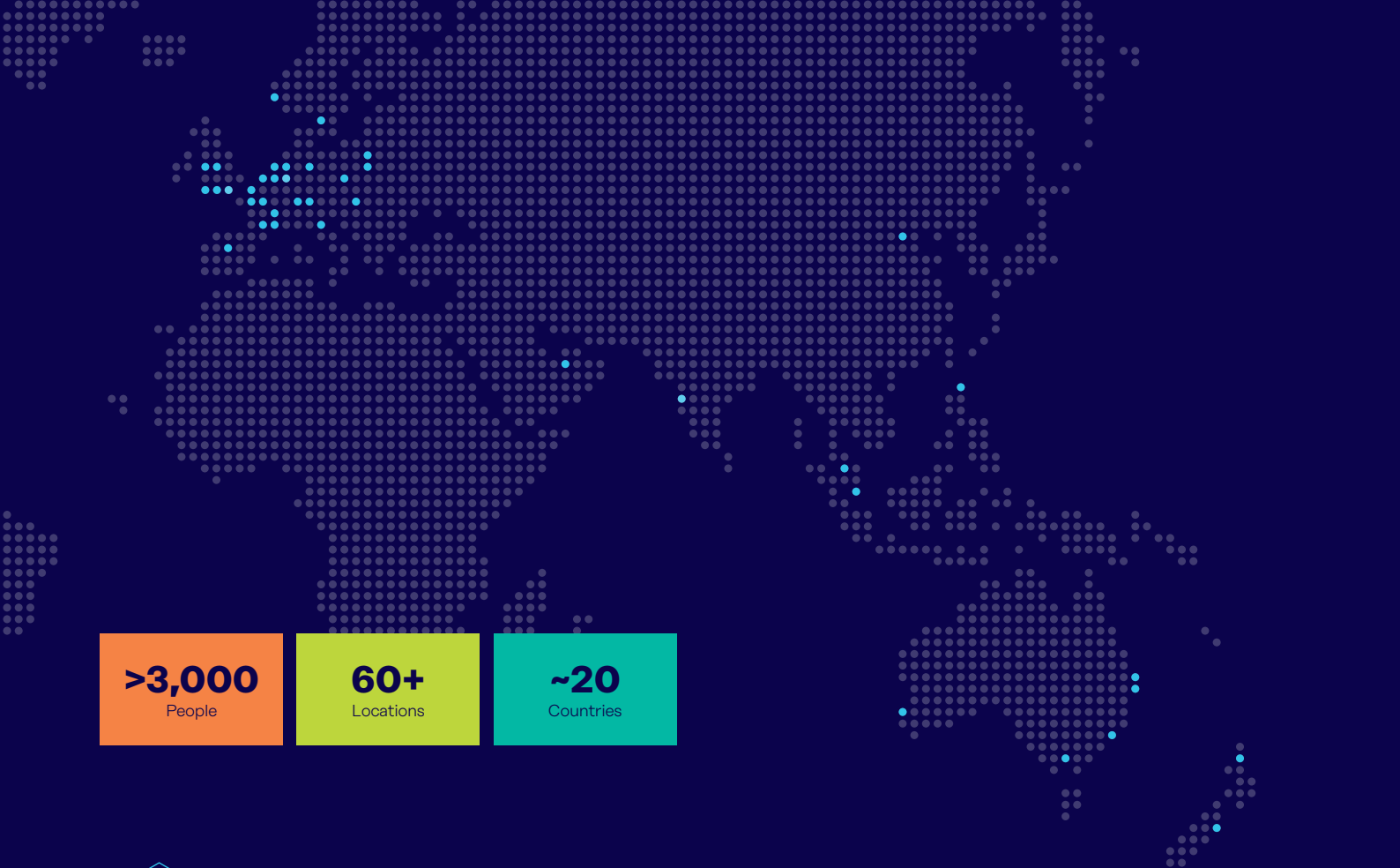
We provide technical design assistance at every stage of a project, from initial planning to installation and beyond.

Our technical support services range from simple product selection through to the development of a fully customised project-specific design solution.

Every promise we make locally, has the commitment and dedication of our global team behind it. We employ almost 3,000 people at 60 locations across North America, Europe and Asia-Pacific, providing an agile and responsive service worldwide.

Leviat, a CRH company, is part of the world's leading building materials business.

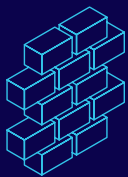




>3,000
People

60+
Locations

~20
Countries

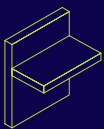


Façade Support & Restraint

Systems for the safe and thermally-efficient fixing of the external building envelope, including brick and natural stone, insulated sandwich panels, curtain walling and suspended concrete façades, and also the repair and strengthening of existing masonry installations.

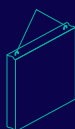
- Masonry Support Systems
- Windposts
- Lintels
- Brick Slip Systems
- Wall Ties & Restraints
- Masonry Reinforcement
- Natural Stone Façade Systems
- Cavity Trays
- Sandwich Panel anchor
- Suspended concrete façade
- Masonry Repair

Other areas of expertise:



Structural Connections

Systems to form robust, efficient connections, and continuity of concrete reinforcement as necessary, between walls, slabs, columns, beams and balconies, providing structural integrity as well as enhanced thermal and acoustic performance.



Lifting & Bracing

Systems for the safe and efficient transportation, lifting and temporary bracing of cast concrete elements and tilt-up panels before permanent structural connections are made.



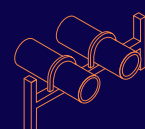
Anchoring & Fixing

Systems for fixing secondary fixtures to concrete, including anchor channels, bolts and inserts; also tension rod systems for roofs and canopies.



Formwork & Site Accessories

Non-structural accessories that complement our engineered solutions and help keep your construction environment operating safely and efficiently, including moulds for casting standard and special concrete elements and construction essentials such as reinforcing bar spacers.



Industrial Technology

Mounting channels, pipe clamps and other versatile framing systems that provide safe fixing in a wide range of industrial applications.

Leviat product ranges:

Ancon | Aschwanden | Connolly | Halfen | Helifix | Isedio | Meadow Burke | Modersohn | Moment | Plaka | Scaldex | Thermomass

Scaldex SUMO

The new generation of masonry support systems

Sumo® - the new generation of masonry support systems

The Sumo® is Scaldex's latest generation of masonry support systems for your brickwork cladding. They are mainly used for large window openings, in overhangs, for corner windows, as a start profile or for horizontal expansion joints in buildings.

The design of the Sumo® is characterized by more efficient and economical use of materials than the classic BFS masonry support bracket, which results in lighter designs. The Sumo® has been specially developed for increasingly larger cavities and for heavier loads. After countless tests by certification body no. 0960 SKG-IKOB, this Sumo® also earned its CE marking.

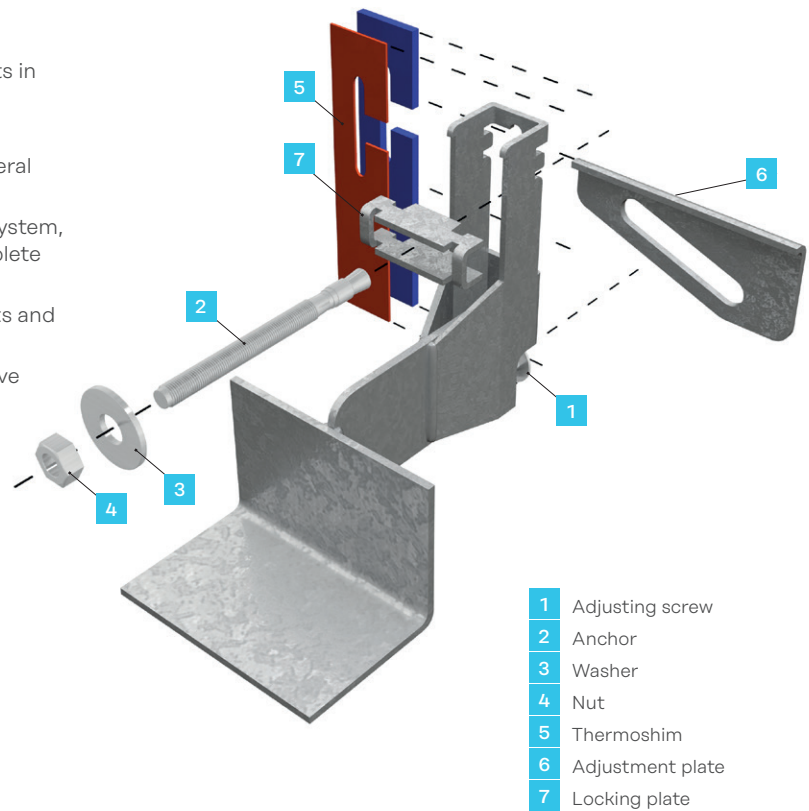


Scaldex SUMO

The new generation of masonry support systems

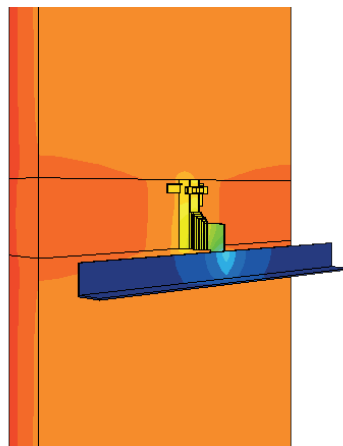
What advantages does the Sumo® offer?

- More efficient and economical use of material results in lighter design
- Fewer anchor points are needed for the same load
- Sumo® offers vertical adjustment of 40 mm and lateral adjustment of 35 mm
- When combined with the optional adjusting screw system, Sumo® offers depth adjustment of 20 mm for complete 3D adjustment
- Less heat is lost because of the limited anchor points and thinner model, resulting in better EPB values
- Because there are fewer consoles, less labor-intensive during installation



Properties

- Hot-dip galvanised in accordance with norm EN ISO 1461 and EN 845-1
- A visible installation is possible with a polyester powder-coating in any RAL colour
- An invisible installation can be realized by using stirrups
- Available in stainless steel 304L or 316L, both visible and invisible
- 100% in-house design and produced based on customer preferences
- Thermal bridges are reduced considerably because there is less contact with the inner structure and because of the thinner design
- Improved vertical and lateral adjustment allows perfectly horizontal installation



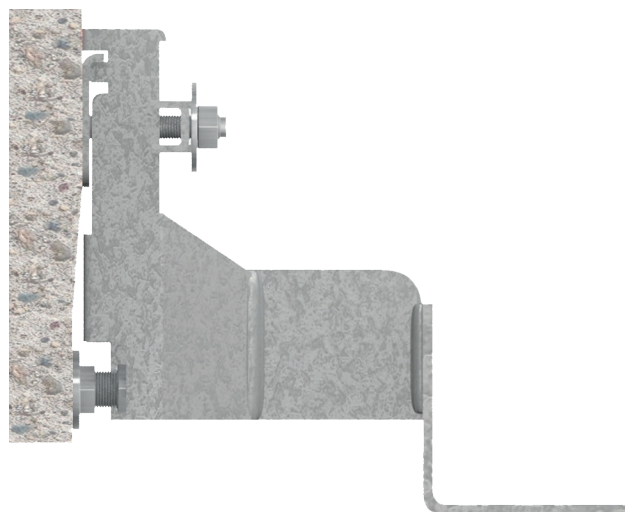
Scaldex SUMO

The new generation of masonry support systems





System with depth adjustment Sumo 3D (optional)





Our adjusting screw system can offer extra depth adjustment of 20 mm to easily deal with irregularities in the underlying (concrete) structure.

Together with the vertical and lateral adjustment possibilities, this ensures very effective 3D adjustment. The depth is adjusted using a specially developed screw system, which has a larger contact surface for reducing tension in the underlying construction.



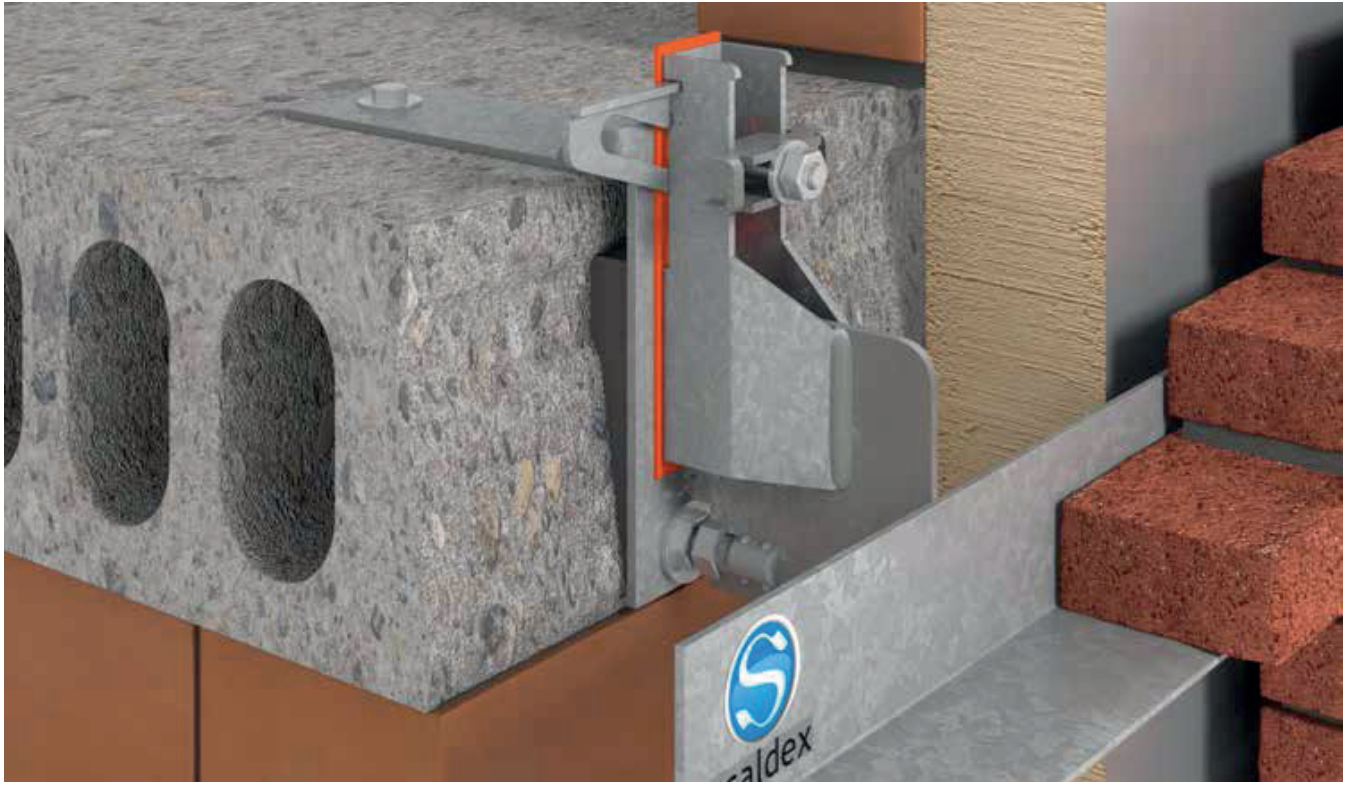
Bracket types

Bracket type K	Bracket type KR	Bracket type KRL	Bracket type SLR
Cross-section	Cross-section	Cross-section	Cross-section
			

Bracket type S	Bracket type SR	Bracket type SRL	Bracket type SL
Cross-section	Cross-section	Cross-section	Cross-section
			

Scaldex SUMO

The new generation of masonry support systems



Hollow core slab fixing for the Scaldex Sumo® brickwork support system

What advantages does the new hollow core slab-strip offer ?

- Easy and faster installation
- A standard hexagon M12 bolt is fixed into the preformed slot
- Stronger than the traditional hollow core-strip, because the concrete fixing is done in the horizontal strip
- This way of anchoring ensures better allowable loads in thin concrete slabs



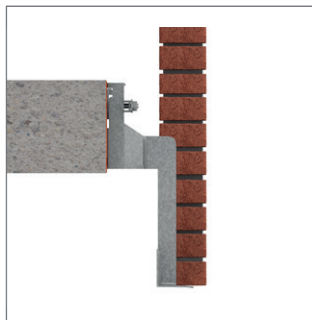
Scaldex SUMO

The new generation of masonry support systems

Application possibilities



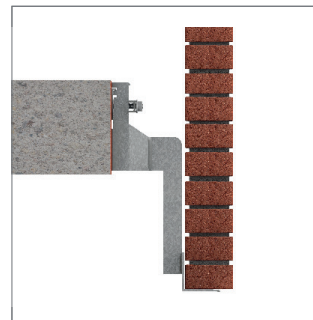
Visible, possibly coated in color of choice



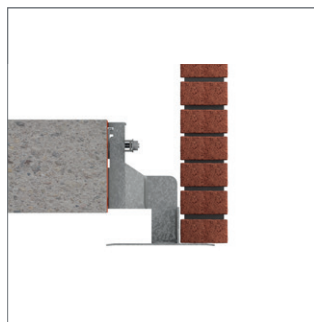
With lowering plate for screens/shutters



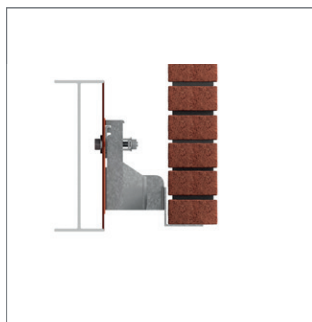
Invisible with various types of stirrups



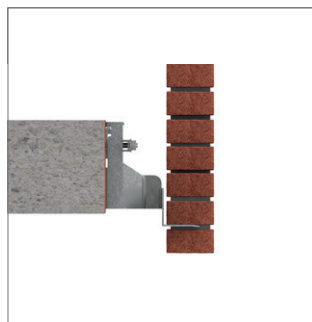
With lowering plate behind masonry



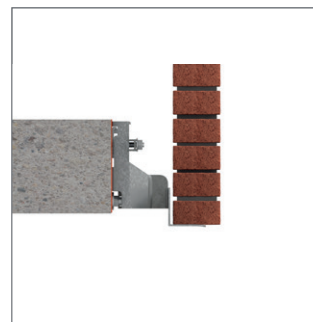
Cavity closure with T-profile



Attachment to steel beam



Brick glued underneath



Console with 3D adjustment

Anchor types

WEDGE ANCHORS

WEDGE ANCHOR



BOLTS / NUTS / WASHERS

HEXAGONAL STUD BOLT

HEXAGONAL NUT

WASHER



CHEMICAL ANCHORS

THREADED ROD

HEXAGONAL BOLT

WASHER

INJECTION MORTAR

INJECTION MORTAR

INJECTION MORTAR



ANCHOR CHANNEL WITH T-BOLTS

ANCHOR CHANNEL TYPE HTA

T-bolts M10, M12 or M16



Scaldex SUMO

The new generation of masonry support systems

Leviat - your partner in masonry support

Service

A team of motivated, well-qualified and knowledgeable employees work hard every day to find the best solutions for your project. We offer professional assistance during the design phase and all throughout the engineering, production and delivery processes. Our representatives will be pleased to visit you to assist you.

Price request

In order to be able to answer more quickly to any request, we'd like to get from you the relevant façade- and plan views, showing us the correct details and correct dimensions. When ordered, we provide you with the necessary installations plans and details and, on simple request, the required calculation notes. Price requests can be mailed to info.be@leviat.com or by quotation. scaldex.be@leviat.com.

Production

We are continuously investing to further improve the quality and delivery times of our products. For instance, a welding robot was recently installed in our production hall, so that our masonry support brackets can be produced quickly with high-grade welding joints. A faster and more accurate laser machine also arrived recently to replace an older model. We have also started our own powder-coating production line, in order to become even more effective at meeting the preferences of our customers.



Environment-conscious

All our machines are powered using solar panels at the site, which means production occurs in the most sustainable manner possible. The galvanisation process for masonry support brackets has also been improved by investing in an in-house water purification system and ultra-modern air treatment system.

All production waste is disposed of by a professional company that specialises in recycling steel. This means metal and old iron can serve as raw materials for various new metal products. By recycling metals, it is possible to significantly reduce CO₂ emissions and wasted energy.

Need advice for your project?

Our engineers will be pleased to assist you:

Feel free to call
052 42 54 05

or send your question to
info.be@leviat.com

Contact Leviat worldwide

Australia

98 Kurrajong Avenue,
Mount Druitt, Sydney, NSW 2770
Tel: +61 - 2 8808 3100
Email: info.au@leviat.com

Austria

Leonard-Bernstein-Str. 10
Saturn Tower, 1220 Wien
Tel: +43 - 1 - 259 6770
Email: info.at@leviat.com

Belgium

Industrielaan 2
1740 Ternat
Tel: +32 - 2 - 582 29 45
Email: info.be@leviat.com

China

Room 601 Tower D,
Vantone Centre
No. A6 Chao Yang Men Wai Street
Chaoyang District
Beijing P.R. China 100020
Tel: +86 - 10 5907 3200
Email: info.cn@leviat.com

Czech Republic

Business Center Šafránková
Šafránková 1238/1
155 00 Praha 5
Tel: +420 - 311 - 690 060
Email: info.cz@leviat.com

Finland

Vädursgatan 5
412 50 Göteborg / Sweden
Tel: +358 (0)10 6338781
Email: info.fi@leviat.com

France

6, Rue de Cabanis
FR 31240 L'Union
Toulouse
Tel: +33 - 5 - 34 25 54 82
Email: info.fr@leviat.com

Germany

Liebigstrasse 14
40764 Langenfeld
Tel: +49 - 2173 - 970 - 0
Email: info.de@leviat.com

India

309, 3rd Floor
Orion Business Park
Ghodbunder Road
Kapurbawdi, Thane West,
Thane, Maharashtra 400607
Tel: +91 - 22 2589 2032
Email: info.in@leviat.com

Italy

Via F.lli Bronzetti 28
24124 Bergamo
Tel: +39 - 035 - 0760711
Email: info.it@leviat.com

Malaysia

28 Jalan Anggerik Mokara 31/59
Kota Kemuning,
40460 Shah Alam Selangor
Tel: +603 - 5122 4182
Email: info.my@leviat.com

Netherlands

Oostermaat 3
7623 CS Borne
Tel: +31 - 74 - 267 14 49
Email: info.nl@leviat.com

New Zealand

2/19 Nuttall Drive, Hillsborough,
Christchurch 8022
Tel: +64 - 3 376 5205
Email: info.nz@leviat.com

Norway

Vestre Svanholmen 5
4313 Sandnes
Tel: +47 - 51 82 34 00
Email: info.no@leviat.com

Philippines

2933 Regus, Joy Nostalga,
ADB Avenue, Ortigas Center
Pasig City
Tel: +63 - 2 7957 6381
Email: info.ph@leviat.com

Poland

Ul. Obornicka 287
60-691 Poznań
Tel: +48 - 61 - 622 14 14
Email: info.pl@leviat.com

Singapore

14 Benoi Crescent
Singapore 629977
Tel: +65 - 6266 6802
Email: info.sg@leviat.com

Spain

Polígono Industrial Santa Ana
c/ Ignacio Zuloaga, 20
28522 Rivas-Vaciamadrid
Tel: +34 - 91 632 18 40
Email: info.es@leviat.com

Sweden

Vädursgatan 5
412 50 Göteborg
Tel: +46 - 31 - 98 58 00
Email: info.se@leviat.com

Switzerland

Grenzstrasse 24
3250 Lyss
Tel: +41 (0)800 22 66 00
Email: info.ch@leviat.com

United Arab Emirates

RA08 TB02, PO Box 17225
JAFZA, Jebel Ali, Dubai
Tel: +971 (0)4 883 4346
Email: info.ae@leviat.com

United Kingdom

President Way,
President Park,
Sheffield S4 7UR
Tel: +44 - 114 275 5224
Email: info.uk@leviat.com

USA / Canada

6467 S Falkenburg Road
Riverview, FL 33578
Tel: (800) 423-9140
Email: info.us@leviat.us

For countries not listed
Email: info@leviat.com

Notes regarding this document

© Protected by copyright. The information in this publication is based on state-of-the-art technology at the time of publication. In every case, project working details should be entrusted to appropriately qualified and experienced persons. Leviat shall not accept liability for the accuracy of the information in this document or for any printing errors. We reserve the right to make technical and design changes at any time. With a policy of continuous product development, Leviat reserves the right to modify product design and specification at any time.

Contact Leviat locally

For more information on the products featured here, please contact Leviat:

Netherlands

Deventer

P.O. Box 929

7400 AX Deventer

T: +31 570 60 66 77

