



REYNAERS COMMERCIAL



Architectural façade solutions.

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REYNAERS COMMERCIAL

Introduction

Reynaers Aluminium is a leading supplier of high-quality, innovative and sustainable architectural aluminium solutions ideally suited for commercial sector projects. Reynaers products create comfortable, high performing, aesthetically pleasing and eco-friendly working environments.

Sustainability

Today, in the building industry, environmental considerations are of utmost importance. Aluminium offers the ideal solution, being highly durable and 100% recyclable, it is seen as the 'Green Metal'. Reynaers are constantly developing market leading product solutions meeting industry demands for higher thermal performance, energy efficiency and durability.

For more information on our sustainability policy please request a copy of our Sustainability brochure at reynaersltd@reynaers.com or go to www.reynaers.co.uk/downloads

Design & Security

Reynaers Aluminium heavily invests in Research and Development to maintain its position at the forefront of the industry. A range of design solutions are offered within all of the existing product portfolio, but where you have a unique requirement, be it from a practical or aesthetic point of view, Reynaers can design bespoke profiles specific to your individual needs.

Reynaers are official members of the Secured by Design scheme (SBD) and have been awarded the 'Police Preferred Specification' status for their window and door products within the Eco and Concept System ranges. These products have been successfully tested to the stringent standards, including BS7950 and PAS 23 & 24.

Quality

Producing products manufactured to the very highest quality standards, with one of the most advanced and efficient internal testing centres for windows, doors, façades and suncreening in Europe, Reynaers endeavours to guarantee high quality, highly thermal efficient and durable systems.

This in-house facility enables us to design a product range with various levels of security and performance which can be suited to almost any commercial project. In line with Reynaers high quality ethos, the company have also been accredited to the ISO 9001 scheme.

Comfort

Reynaers understands the importance of creating energy efficient and ventilated buildings, and as such have developed products with high thermal performance, giving optimum thermal comfort. Good acoustics are also vital in creating comfortable working environments. Reynaers innovative systems address acoustic problems by incorporating glazing of varying thicknesses and type, including triple glazing.





CASE STUDIES

SEVERN TRENT HEADQUARTERS

Sustainable innovation in the heart of Coventry.

Described as one of Europe's most sustainable office buildings, the Severn Trent office Headquarters in Coventry provided Reynaers with the opportunity to showcase some of its high quality products. The project used a £6.5 million grant from Advantage West Midlands to help create a 15,595m² 7-storey building with unique architectural features.

The building is specifically designed to prevent the infiltration of cold air using Reynaers high-performance products, such as the CS68 three chamber window system. Unlimited creative freedom and maximum entrance of light into the building, is facilitated by the use of CW50 curtain walling.

Reynaers Vision 50 doors feature on the project to create a smart, dynamic look which matches the design characteristics of the external façade.



Fabricator - Solaglas Contracting Midlands
Architect - Webb Gray Architects
Contractor - BAM Construction
Systems - CW50 / CS68 Windows, Vision 50 Doors



Fabricator - JAP - Jungbluth Alu Partners Ltd, Herstal
Architect - Benoy Architects, Abu Dhabi
Contractor - Six Construction, Abu Dhabi
Systems - CW86 EF / Bespoke Funnel Solution / Bespoke Sunscreen System

FERRARI WORLD

Bespoke system replicates classic Ferrari double curve.

The stunningly impressive Ferrari World theme park building in Abu Dhabi features a central funnel façade produced from a bespoke Reynaers system that takes natural light into the very heart of the building. In order to achieve the desired effect of the architect Reynaers designed nearly 30 new profiles, 12 new gaskets and countless fittings for the system which is based on a bespoke version of CW86-EF. It sits on a 3D steel support system and an integral walkway has its own bespoke sunscreen solution also developed by Reynaers.

Within the Reynaers systems there is significant scope to adapt to non-standard connections in order to achieve what may at first sight appear impossible. This adaptability has seen Reynaers façades used on a number of iconic buildings, often replicating complex, natural forms.



Architect - Glenn Howells Architects
Contractor - BAM Construction
Systems - CW73 (Bespoke System), CW60, CW60 SC, CS68 Doors, CS68 Smoke Vents

ELEVEN BRINDLEYPLACE

The final piece in the Brindley jigsaw.

Eleven Brindleyplace is a landmark office facility marking the final phase of development in an extremely popular and affluent area of Birmingham. The scheme, which incorporates a 13-storey curved 'shoulder' and a 15-storey tower, has been instrumental in helping to extend the city centre westwards.

Reynaers developed and supplied a complete bespoke system for the building, utilising CW60, CW60 structurally clamped and a bespoke internally glazed curtain walling system, as well as CS68 doors and smoke vents. This provides a visually stunning and light welcoming exterior to the building, whilst also reducing unnecessary solar glare.

These systems were designed to take into account the extremely tight footprint of the new building and provide a re-glaze strategy which allows large vision panes to be glazed from the inside.



LEVENT KANYON

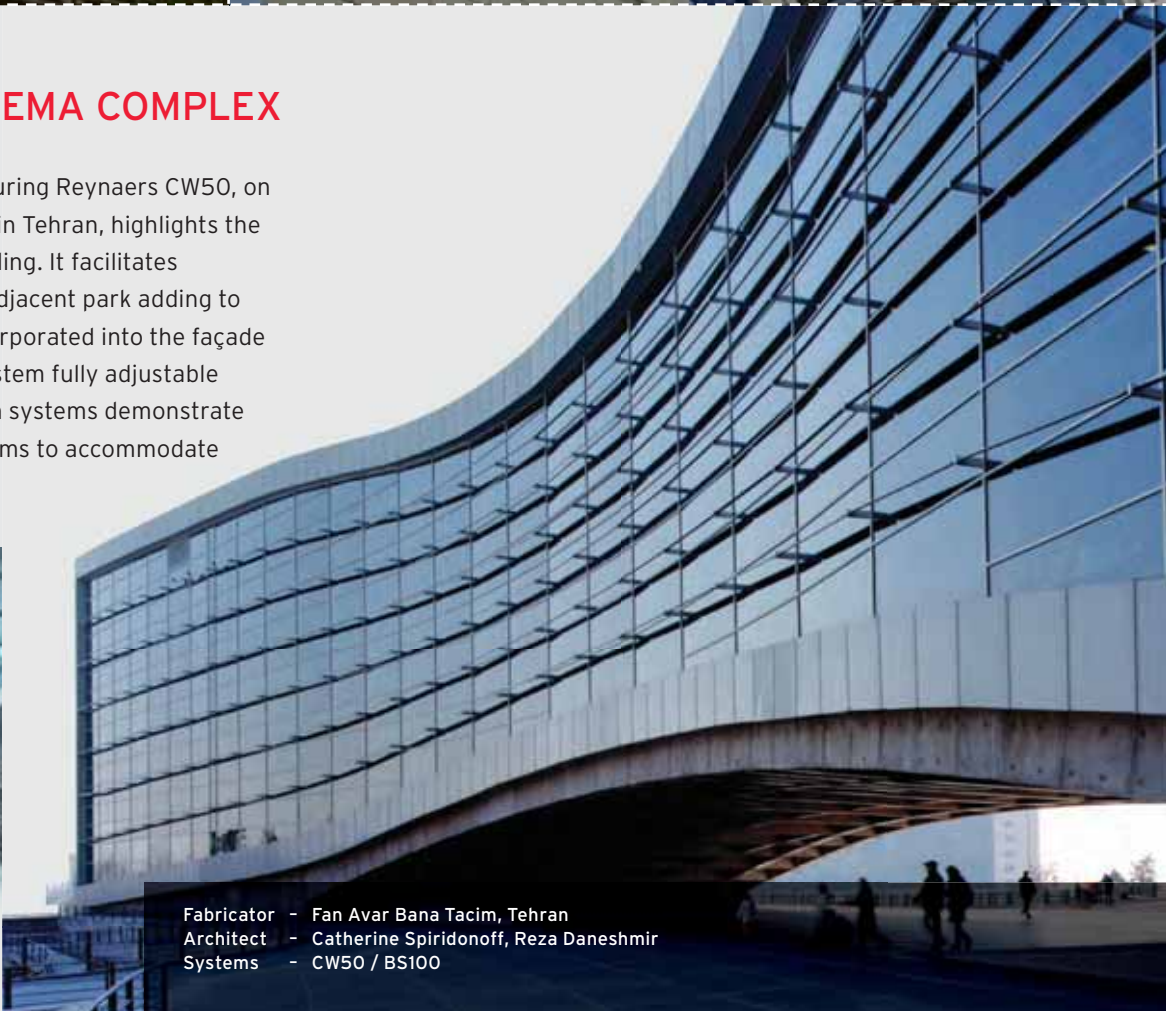
A multi-functional development with open-air shopping mall transforms the landscape in Istanbul using Reynaers systems throughout. Levent Kanyon features a 26-storey office building, 179 deluxe flats and a large, new style shopping mall. The interface between the multi-level mall and other buildings creates a canyon effect in the heart of the complex, linked by footbridges. Covering an area of 250,000 square metres the buildings are all earthquake resistant. In achieving this, the façade systems underwent extensive and successful testing far exceeding the earthquake levels normally experienced in Turkey.



Fabricator - Fenis Sistem
 Architect - The Jerde Partnership/Tabanlıoğlu Mimarlık
 Contractor - Tepe
 Systems - CS68 / CS77 / CW50 / CW86 (unitised curtain wall)

MELLAT PARK CINEMA COMPLEX

An extensive glass façade, featuring Reynaers CW50, on this futuristic Cinema Complex in Tehran, highlights the light characteristics of the building. It facilitates unrestricted views across the adjacent park adding to the building's open nature. Incorporated into the façade is a BS100 louvre sunscreen system fully adjustable for optimum performance. Both systems demonstrate the flexibility of Reynaers systems to accommodate conceptual designs.



Fabricator - Fan Avar Bana Tacim, Tehran
 Architect - Catherine Spiridonoff, Reza Daneshmir
 Systems - CW50 / BS100



PICCADILLY

A classically designed 8-storey building housing 70,000 sq. ft. of modern office space and 30,000 sq. ft. of retail, 198-202 Piccadilly in London reflects the prestige of the local area. The building uses Reynaers specially manufactured CS68 Renaissance windows and doors combining traditional classic styling with high thermal performance.

Fabricator - Clapton Glass
 Architect - Robert Adam Architects
 Contractor - Sir Robert McAlpine
 Systems - CS68 Renaissance



CAM ROAD

As one of the most unique and innovative developments in Stratford, 4 Cam Road is a 39,750 sq. ft. commercial development which sets the standard for sustainable design and environmental performance. Reynaers CW50 curtain walling covers a complete elevation of the development offering high insulation with slim sight lines and unrivalled views across the nearby Olympic Village.

Fabricator - Clapton Glass
 Architect - Nicholas Burwell Architects
 Property Consultants - Dobbin & Sullivan
 Systems - CW50

ST. MARY AXE

The highly prestigious 50 St Mary Axe is a new 7-storey office development of approximately 32,486 sq. ft. situated in central London. Utilising Reynaers CW50 curtain walling, CS68 doors and CS38 Slim Line windows to achieve a BREEAM 'Very Good', high performance building rating without compromising the impressive façade.



Fabricator - Faberdex
Architect - Black Architecture
Contractor - GB Building Solutions
Systems - CS68 Doors / CW50 / CS38 Windows



BROADWAY ONE

Situated in the heart of Glasgow city centre, Broadway One is a 125,466 sq. ft. Grade 'A' office development specified with 5,000m² of Reynaers curtain walling. A mix of Reynaers CW50 capped and CW50 structurally clamped (CW50 SC) curtain walling was used to help the building achieve a BREEAM 'Very Good' rating while providing an aesthetically pleasing façade.



Fabricator - Solaglas Contracting Scotland
Architect - Cooper Cromar
Contractor - Laing O'Rourke
Systems - CW50 / CW50 SC

FURTHER CASE STUDIES



Fabricator - Glamalco Ltd
 Architect - Powell Dobson Architects
 Systems - CS68 / CW50

VILNIUS



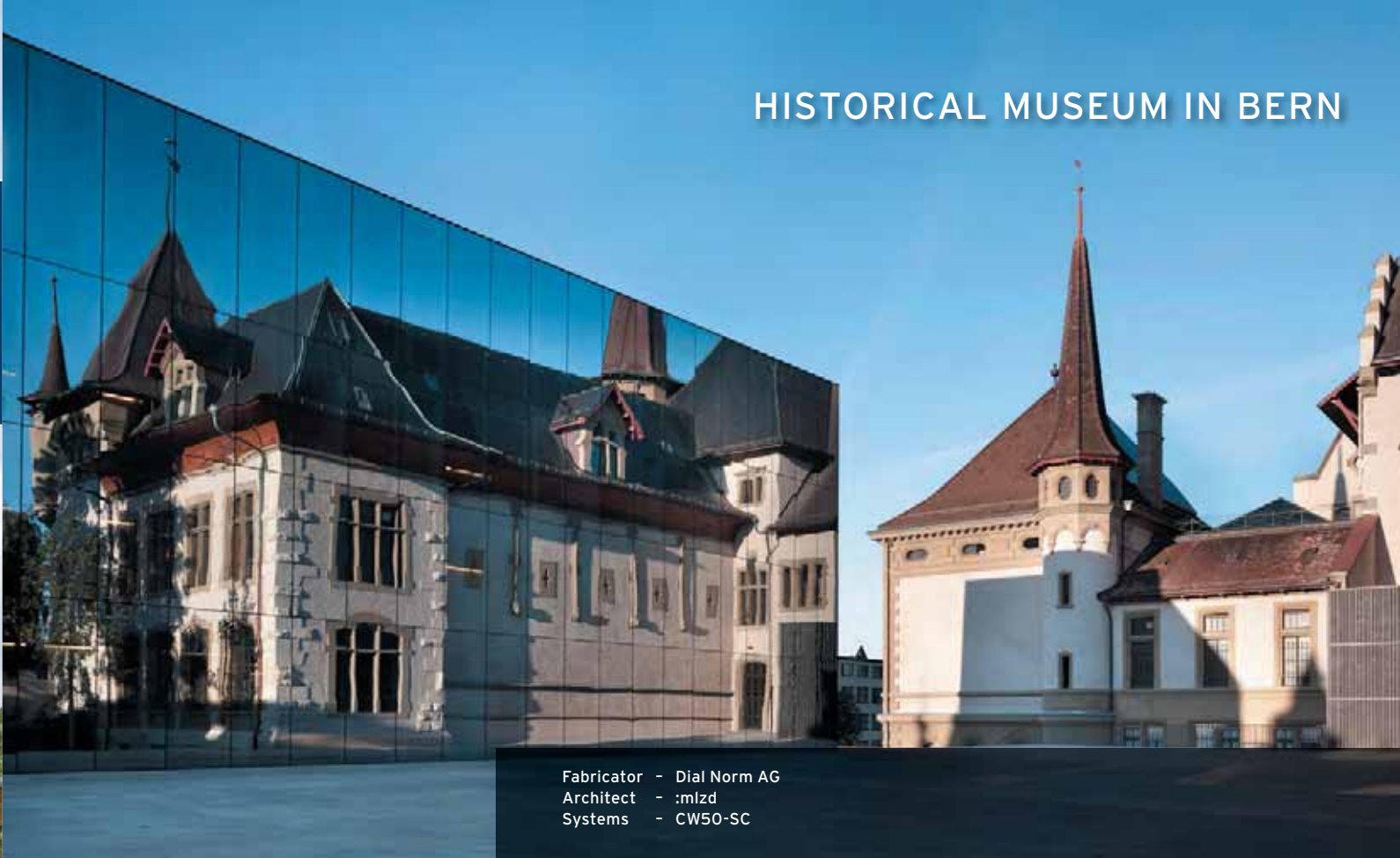
Fabricator - ASF / Megrame
 Architect - JAD, A.E. Paslaitis, T. Balciunas, G. Paslaitis
 Systems - CS68 / CW50 / CW86 (unitised curtain walling)

REYNAERS INSTITUTE



Fabricator - Willems
 Architect - Conix Architects
 Systems - CW50 / TS57 / CS38 SL / CW86 POW (unitised curtain walling)
 CW60 DRL / CW86 EF-CG (unitised curtain walling)

HISTORICAL MUSEUM IN BERN



Fabricator - Dial Norm AG
Architect - :mlzd
Systems - CW50-SC

ASPIRE TOWER



Fabricator - JAP - Jungbluth Alu Partners Ltd, Herstal
Architect - Hadi Simaan
Contractor - Midmac-Six Construc
Systems - CW50 / CW86 (unitised curtain walling)

UMICORE



Fabricator - Couwenberg en Schellens nv
Architect - Conix Architects
Client - Umicore
Systems - CW60

MAN CORPORATE CENTRE



Architect - DMP Architekten
Contractor - Max Bögl Bauunternehmung GmbH & Co. KG
Systems - Reynaers Parallel Opening Window / CW50 / CS86 HI

COCA COLA HQ



Fabricator - Faycer Systeme, Móstoles
Architect - DL + A arquitectos asociados, Madrid
Client - Coca-Cola Company, Spain
Systems - CW86 (unitised curtain walling) / CW50 SL-SC / CS68

DUART HOUSE



Fabricator - Solaglas Contracting Scotland
Architect - Cooper Cromar
Systems - CW50 HL / CW50 SC

SIR JOHN ROGERSON'S QUAY



Fabricator - Eden Aluminium Ltd
Architect - O'Mahony Pike Architects, Dublin
Systems - CW60 SC / CW60 / CS86 / Vision 50

AVILON PLAZA



Structural Engineer - Steklostroy
Architect - Archfactory
Systems - CS77 / CW50 / CW50 SC / CW86 EF (unitised curtain walling)

PRODUCTS FOR COMMERCIAL

Reynaers Commercial Product Range

With products that can be utilised for almost any commercial application, Reynaers extensive range includes curtain walling, unitised façades, windows and doors, solar shading, which can incorporate photovoltaic panels, and innovative ventilation solutions including parallel opening windows.

Façade Systems

Reynaers offers a wide range of Curtain Walling specifically designed to meet the requirements of contemporary architecture. Products include CW50/60/65 & 86, answering a wide variety of aesthetic, construction and practical considerations.

Various aesthetic options are available across the ranges, including horizontally lined, which draws the eye to the horizontal element of the façade, and structurally clamped where no exterior capping is required, giving the look of a seamless façade.

Also offered is Reynaers high thermal curtain walling options, such as CW50 Hi, that can achieve a U_w value as low as $1.0 \text{ W/m}^2\text{K}^*$ and the CW86 Hi variant, which is a high performing unitised curtain walling system providing ultimate thermal comfort.

Windows & Doors

A comprehensive selection of window and door solutions are available, providing versatile styles and openings, featuring improved thermal, ventilation, security and acoustic qualities.

Concept System - Reynaers Concept System range is an all-encompassing suite of window and door systems that can suit almost any application. Products include slim line CS24/38 SL ideal for the replacement of traditional steel windows and Reynaers highest thermally performing window, CS104 which has a U_w value as low as $0.77 \text{ W/m}^2\text{K}^*$ and is designed to meet the exacting 'PassivHaus' standard that significantly reduces the potential heat loss through a window.

Eco System - offers a cost effective solution combining aesthetic design and energy efficiency. Within this range is the Eco 75 system, which is ideal for the replacement of timber and PVC, making it particularly suitable for refurbishment projects.

** For full calculation details, please refer to Reynaers Technical Department in Birmingham.*



CW86



CW50 HL



CS104



ECO 75



Natural Ventilation

Reynaers imposing AIRMAX system is a unique parallel opening window, which is available as a traditional window as well as contained within Reynaers existing curtain wall. Perfect for office environments, AIRMAX, when open, allows air to penetrate around its entire perimeter, facilitating highly efficient ventilation and increasing air flow by almost double in comparison to traditional top hung windows. The system also has a restricted opening to 100mm, making it suitable for high rise commercial developments, where safety and security are vital.



AIRMAX

Fire Resistant Windows, Doors and Façades

Reynaers Aluminium provides a comprehensive range of 30 minute and 60 minute fire resistant aluminium window, door and curtain wall systems - all well suited for communal areas and commercial buildings and fully compliant with British and European safety standards. The range benefits from providing a visual match to Reynaers non fire rated systems and can be easily integrated into Reynaers existing products.



FIRE RESISTANT



Reynaers Fire Products are exclusively available from a Reynaers Fire Partner, please visit www.reynaers.co.uk to find out who your local supplier is, or alternatively call 0121 421 1999

Photovoltaic Systems

Reynaers considers sustainability to be one of the fundamental trends in the building industry, and as such have designed systems which can easily integrate Green Technology, such as Photovoltaic panels. Reynaers proudly offers a full range of Building Integrated Photovoltaic (BIPV) solutions that are available for curtain walls and roof applications as well as sunshading products.



CW60

Sunscreening Systems

Reynaers Sunscreening systems are designed to provide an aesthetic and efficient shading solution, which can be integrated into almost any new or existing building. When fitted to the external façade of a building, the louvres provide protection against solar heat and glare creating a more comfortable working environment.



SUNSCREENING

All Reynaers products are tested to relevant security, weather and durability standards. To find out more call Reynaers on 0121 421 1999, email reynaersltd@reynaers.com or visit www.reynaers.co.uk Here you can also download Reynaers Product Brochure by selecting DOWNLOADS on the left hand side of the homepage.

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