![Euro Systems logo] **Euro Systems®**

Design with Passion

Euro Systems®

ES 50 Minimal Curtain Wall System

Technical Datasheet
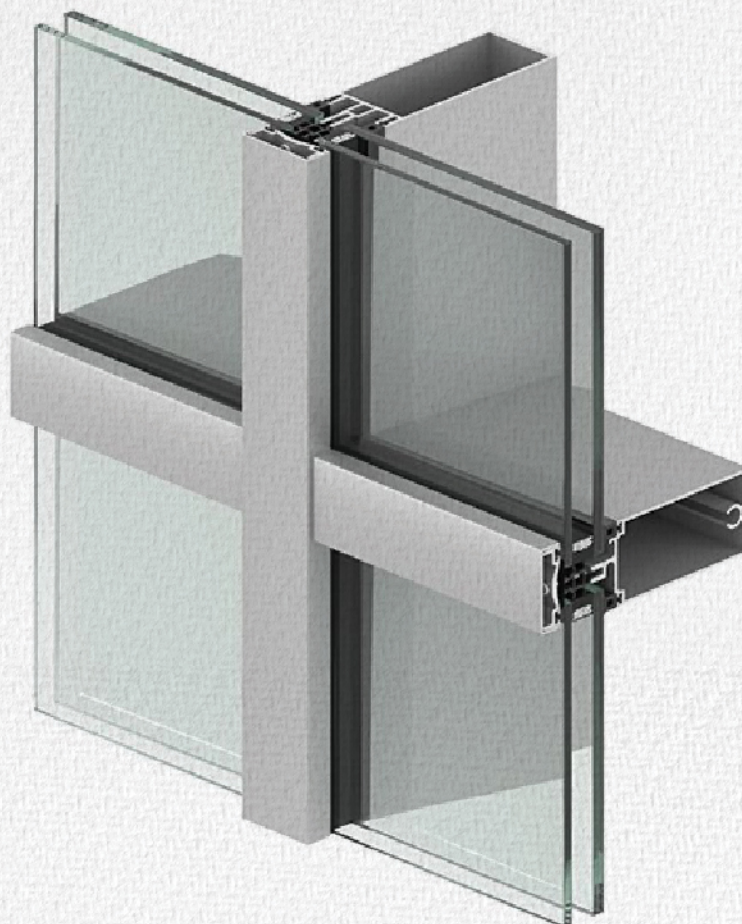
Product Features:

ES 50 Curtain Wall System consists of 50 mm wide mullions and transoms suitable for sloped and vertical facades. Various cover caps are available for this system. The smallest sight line can be achieved using a 50 mm wide cap.

The speciality of the system is designed to suit continuous EPDM Gasket covering the complete mullion and transom at glazing assembly area to achieve high performance in terms of Thermal Break value, Air and Water tightness.

Euro Systems has variable depth in ES 50 curtain wall system subject to project requirement as per design criteria.

Glazing
The system is glazed from the outside. Glass shall conform to the requirements of BS 6262 for thickness and type, in terms of wind resistance, safety and security.

Drainage
The system is mullion drained, achieved by meeting the requirements of "Ventilated and drained glazing system" as specified in BS standards.

Materials
The system is constructed from extruded aluminium profiles, using alloy 6063 complying with the requirements of BS 1474.

Gasket
EPDM, a synthetic rubber gasket provided between the glass panel with pressure plate and external cover cap assures water, air and wind resistance.

Thermal Insulation
Reinforced up to Ucw = 1.6 W/m2K. The lower the U-value is, the better the thermal insulation.

Water Tightness
Resistant to heavy rain in accordance with EN 12154:2000 - Class RE 750
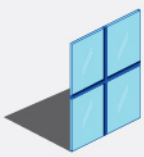
Air Permeability
Complying with EN 12152:2002 - Class AE 750
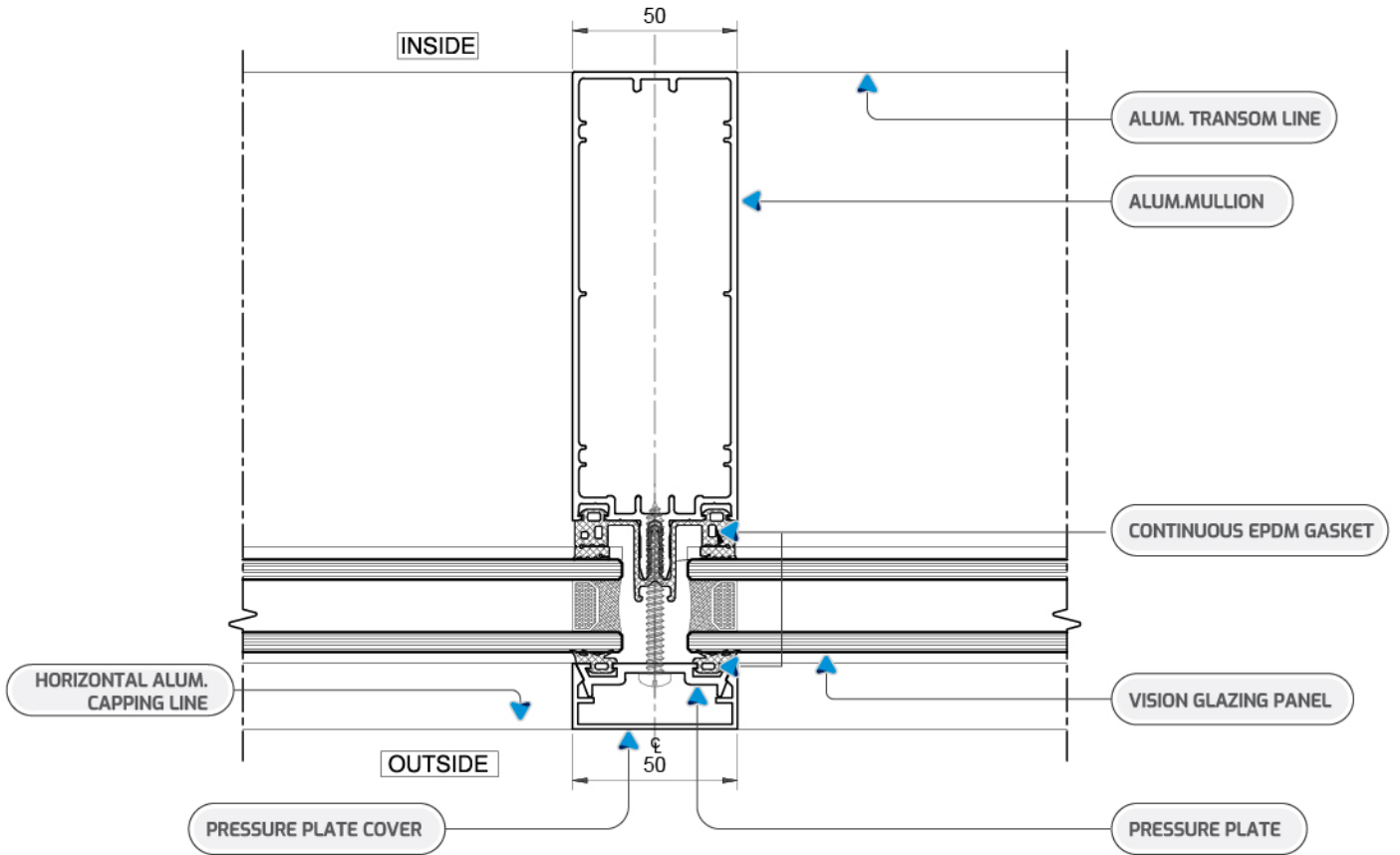
Wind Resistance
Complying with BS EN 13116 – 1000 Pa to 2000 Pa, dependant upon correct mullion and transom selection to suit span and spacing.

Size Limitations
The size limitation of the system depends mainly on the mullion/transom members used to suit the span, spacing and wind loads, which are specific for each individual project.

Systems Cross Section

50

INSIDE

ALUM. TRANSOM LINE

ALUM.MULLION

CONTINUOUS EPDM GASKET

HORIZONTAL ALUM. CAPPING LINE

VISION GLAZING PANEL

OUTSIDE

50

PRESSURE PLATE COVER

PRESSURE PLATE

TYPICAL MULLION SECTION

INSIDE

OUTSIDE

SPANDREL GLAZING PANEL

GLASS SETTING BLOCK

SPANDREL TRAY CONSIST OF ROCK WOOL INSULATION

50

50

ALUM.PRESSURE PLATE

ALUM.TRANSOM

CONTINUOUS EPDM GASKET

CONTINUOUS ALUM.MULLION LINE

VISION GLAZING PANEL

VERTICAL ALUM. CAPPING LINE

CONTINUOUS EPDM GASKET