CROMO™

MC 50

CONCEPT

MC50 IS A HIGHLY FLEXIBLE STICK FAÇADE SYSTEM FOR CURTAIN WALLS

SYSTEM DESCRIPTION

50 mm system width

Easy production and rapid installation onsite

Highest structural stability achieved with lowest weight of profiles

Wide variety of profiles

Solutions for structural and cover assembly options

Structural vents

PROFILES DIMENSIONS

Mullion & Transom Width: 50.0 mm

Mullion & Transom Height: 17.0-24.00 mm - 278.00-285.00 mm

DESIGN

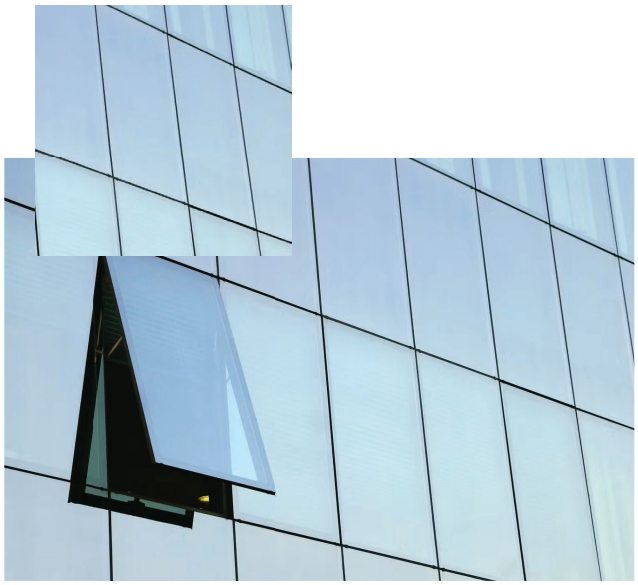
TECHNICAL CHARACTERISTICS

VISIBLE WIDTH	50.0 mm
MULLION DEPTH	83.0 - 280.0 mm
TRANSOM DEPTH	81.5 - 278.5 mm
MAX. MULLION INERTIA	1913 cm^4 & 3216 cm^4 with Insertion
MAX. TRANSOM INERTIA	1420 cm^4 & 2901 cm^4 with Insertion
GLAZING OVERALL THICKNESS	UP TO 50.0 mm
SEALING	EPDM GASKETS

TYPES OF CURTAIN WALL

Standard Curtain Walls: The main characteristic of the standard curtain wall is the fact that the glasses are held on the aluminum frame by using pressure plates, which are covered by decorative caps. A subgroup of standard curtain walls consists of ones that bear pressure plates along with decorative profiles in only one direction (instead of two), either horizontal or vertical. Such constructions are described by the term “Linear”.

Visible frame or Standard: On the outside, the glazing is divided by horizontal and vertical lines formed by aluminum profiles of 50mm width.



Structural: In this type of curtain walling glazing forms a planar surface and no aluminum is visible. Glazing surface is disrupted only by a joint of 20mm maximum width.

CERTIFICATION

Effective and proved airtightness and watertightness, due to internal drains on three levels, without discontinuity at the junction of mullions or transoms, carefully designed accessories and specially constructed supplementary profiles for sealing the perimeter of the façade.

All characteristics of the system are tested in **Housing and Building National Research Center - Egypt [HBRC]**

TEST RESULTS

Air Leakage	Calculated Result is 0.004 L/s.m^2 at Applied Pressure of 75 Pa
Water Penetration	No water leakage within 15 minutes at 140 Pa
Structural Performance	Calculated Deflection is 3.75 mm at 1300 Pa [< 14.51 mm is the Allowable Limit]