CROMO™

MC 800

CONCEPT

MC800 IS A NON-INSULATED SLIDING SYSTEM, SUITABLE FOR DOORS AND WINDOWS

SYSTEM DESCRIPTION

Based on concepts of functionality and essentiality Elegant straight profiles.

Enables numerous solutions [Standard Sliding, Slim Interlock, Semi-Concealed, Lift & Slide & Sliding with Fixed].

Excellent water-tightness and air-permeability.

Big variety of sashes and frames.

Fly screen incorporated into system.

Quick and easy installation.

Stainless steel reinforced rail for long lasting construction.

Glazing sash with 38.0 mm width allowing glass panel up to 26.0 mm.

Ability of gear lock installation.

PROFILES DIMENSIONS

Frame Height: 44.0 mm

Frame Width: 94.0-171.0mm

Sash Height: 35.0-80.0 mm and 85.0 mm for Lift & Slide

Sash Width: 38.0 mm and 45.0 mm for Lift & Slide

FITTING TYPES

Single and double rollers with maximum load capacity of 120kg per sash for Slide only and 300kg per sash for Lift & Slide

Single point or multipoint locks are available.

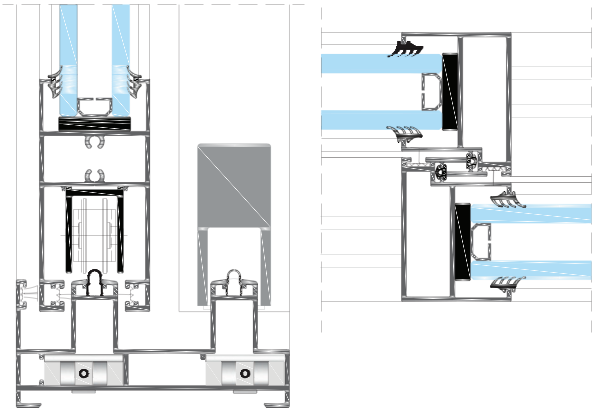
CONSTRUCTION SIZES

Slide: Sash (width x max height): 1400x2800 mm

Lift & Slide: Sash: (width x max height): 2000x3000 mm

Additional sizes available upon request

DESIGN



TECHNICAL CHARACTERISTICS

FRAME HEIGHT	44.0 mm
FRAME DEPTH	94.0-171.0mm
SASH HEIGHT	71.0-80.0 mm and 85.0 mm for Lift & Slide
SASH DEPTH	38.0 mm and 45.0 mm for Lift & Slide
INTERLOCKING WIDTH	35.0-81.0 mm and 86.0 mm for Lift & Slide
MEETING STILE WIDTH	75.0-169.0 mm
PROFILE THICKNESS	1.5 mm
SASH WEIGHT	Slide: 120 KGR per Sash Lift & Slide: 300 KGR per Sash
GLAZING OVERALL THICKNESS	UP TO 28.0 mm
SLIDING MOVEMENT	ALUMINUM & STAINLESS-STEEL ROLLERS
SEALING	EPDM GASKETS & WEATHER STRIPPING
CONSTRUCTION SIZES	Slide: 1400x2800 mm Lift & Slide: 2000x3000 mm

TYPOLOGIES

	STANDARD CONSTRUCTIONS	SLIM CONSTRUCTIONS	SEMI-CONCEALED CONSTRUCTIONS	LIFT & SLIDE CONSTRUCTIONS
2-SASH				
3-SASH				
4-SASH				
2-SASH WITH FLY SCREEN				
4-SASH WITH FLY SCREEN				

CERTIFICATION

Effective and proved airtightness and watertightness, carefully designed accessories and specially constructed supplementary profiles for sealing the perimeter of the window.

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

TEST RESULTS

Air Leakage	Calculated Result is 0.43 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 12.45 mm at 800 Pa [< 12.75 mm is the Allowable Limit]

CROMO™

MC 650

CONCEPT

MC650 IS A NON-INSULATED SLIDING SYSTEM, SUITABLE FOR DOORS AND WINDOWS

SYSTEM DESCRIPTION

Based on concepts of functionality and essentiality

Elegant straight profiles

Enables numerous solutions

Excellent water-tightness and air-permeability

Fly screen incorporated into system

Quick and easy installation

Glazing sash with 28.0 mm width allowing glass panel up to 18.0 mm

PROFILES DIMENSIONS

Frame Height: 44.0 mm

Frame Width: 71.0-112.0mm

Sash Height: 65.0 mm

Sash Width: 28.0 mm

FITTING TYPES

Single and double rollers with maximum load capacity of 75kg per sash.

CONSTRUCTION SIZES

Sash (max width x height): 1200x2000 mm

TYPOLOGIES

STANDARD SLIDING CONSTRUCTIONS

2-SASH

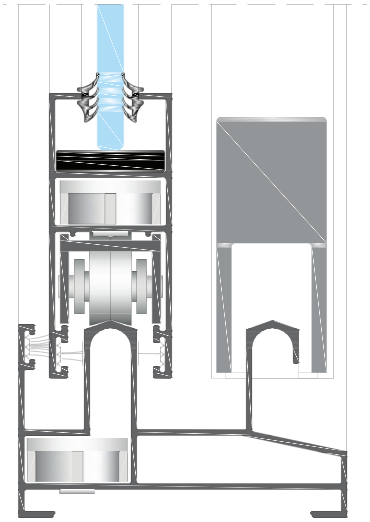
3-SASH

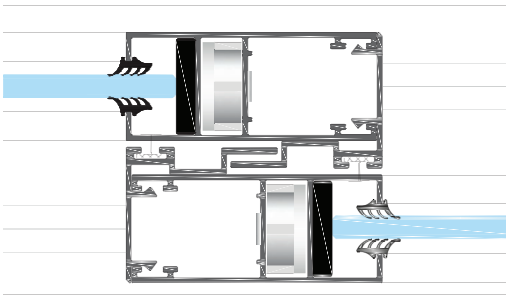
4-SASH

2-SASH WITH FLY SCREEN

4-SASH WITH FLY SCREEN

DESIGN





CROMO™

MC 500

CONCEPT

MC500 IS A NON-INSULATED HINGED SYSTEM, SUITABLE FOR DOORS AND WINDOWS

SYSTEM DESCRIPTION

Variety of elegant profiles for the construction of both curved and straight profiles

50 mm Frame and 59 mm Sash system

Big variety of sashes and frames

Option of Concealed Sash, Economic Solutions, Heavy Duty Doors and Frames Compatible with Sliding System MC650 and MC800

Quick and easy installation

PROFILES DIMENSIONS

Frame Width: 50.0 mm

Frame Height: 48.0-68.00 mm with built-in architrave 30.00-50.00 mm

Sash Width: 59.0 mm

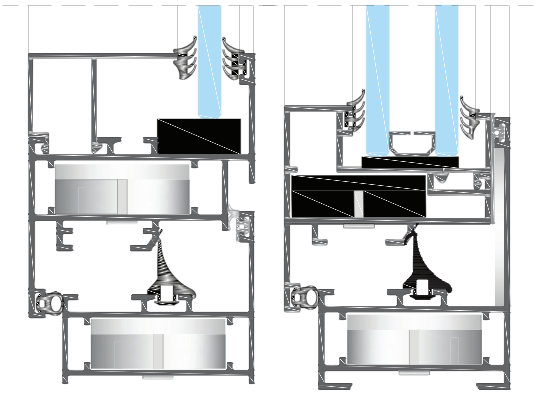
Sash Height: 63.0-88.0 mm

FITTING TYPES

Standard Hinges with maximum load capacity of 75kg per sash

Heavy-Duty Hinges with maximum load capacity of 120kg per sash

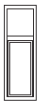
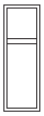
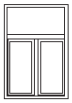
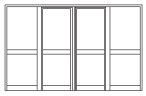
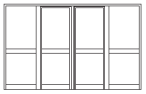
DESIGN



TECHNICAL CHARACTERISTICS

FRAME HEIGHT	48.0-68.00 mm with built-in architrave 30.00-50.00 mm
FRAME DEPTH	50.0 mm
SASH HEIGHT	63.0-88.0 mm
SASH DEPTH	59.0 mm
STANDARD HINGE CAPACITY	75kg per sash
HEAVY DUTY HINGE CAPACITY	120kg per sash
PROFILE THICKNESS	1.5 mm
GLAZING OVERALL THICKNESS	UP TO 28.0 mm
SEALING	EPDM GASKETS

TYPOLOGIES

	STANDARD HINGED WINDOWS CONSTRUCTIONS	STANDARD HINGED DOORS CONSTRUCTIONS	CONCEALED HINGED CONSTRUCTIONS	HEAVY DUTY HINGED CONSTRUCTIONS
1-SASH				
2-SASH				
1-SASH WITH FIXED				
2-SASH WITH FIXED				
				

CERTIFICATION

Effective and proved airtightness and watertightness, carefully designed accessories and specially constructed supplementary profiles for sealing the perimeter of the window.

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

TEST RESULTS

Air Leakage	Calculated Result is 0.182 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 0.25 mm at 800 Pa [< 12.57 mm is the Allowable Limit]

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

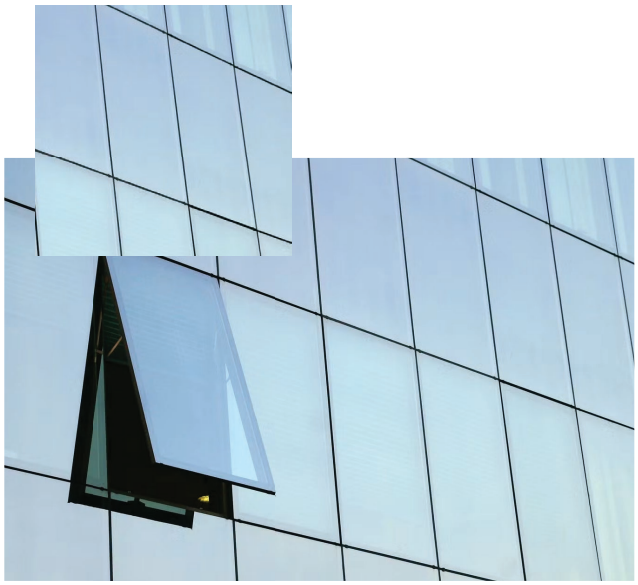
TECHNICAL CHARACTERISTICS

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]

CROMO™

MC 38

CONCEPT

MC38 IS A SLIM STICK FAÇADE SYSTEM FOR CURTAIN WALLS

SYSTEM DESCRIPTION

38 mm system width

Easy production and rapid installation onsite

Proper structural stability achieved with lowest weight of profiles

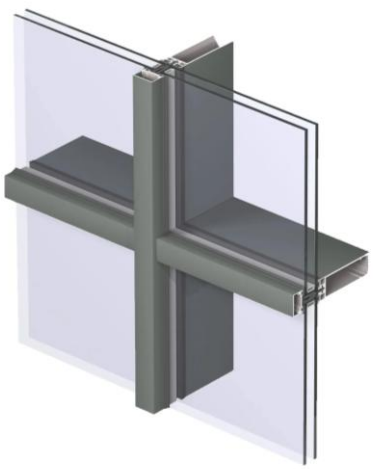
Solutions for structural and cover assembly options

Structural vents

PROFILES DIMENSIONS

Mullion & Transom Width: 38.0 mm

Mullion & Transom Height: 142.0-140.00 mm - 210.00-208.00 mm



CROMO™

MC 38

DESIGN

TECHNICAL CHARACTERISTICS

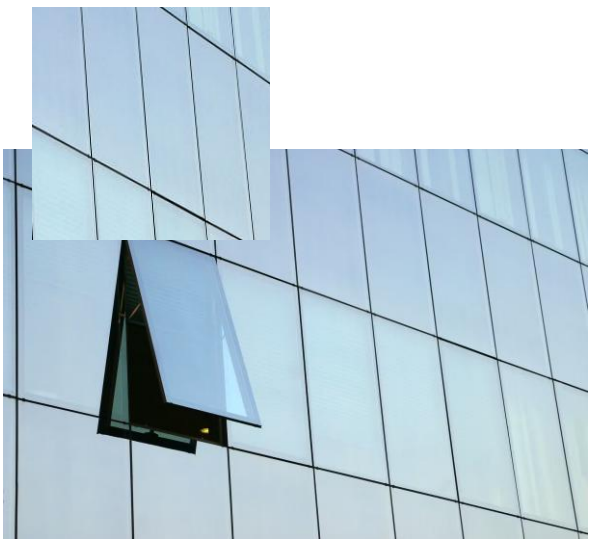
VISIBLE WIDTH	38.0 mm
MULLION DEPTH	142.0 - 210.0 mm
TRANSOM DEPTH	140.5 - 208.5 mm
MAX. MULLION INERTIA	661 cm^4 & 1132 cm^4 with Insertion
MAX. TRANSOM INERTIA	567 cm^4 cm^4
GLAZING OVERALL THICKNESS	UP TO 36.0 mm
SEALING	EPDM GASKETS

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”.

Structural Glazing Curtain Walls: In this kind of curtain walls, glasses are installed by glass holders to the Glazing Spacers.

Visible frame or Standard: On the outside, the glazing is divided by horizontal and vertical lines formed by aluminum profiles of 38mm 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.

TECHNICAL DESCRIPTION OF THE SYSTEM

The structural framing is formed by mullions and transoms, which their “depth” may vary depending on static requirements of each project. The depth or dimensions of the sections used defines the “strength” or the resistance of curtain wall to fatigues (wind pressure, structure weight, ..etc.)

The property which defines the profile’s resistance to loading is its “moment of inertia”. For curtain wall profiles the most important moment of inertia is the one that “resists” the loading due to wind pressure. The system profiles and their connections are designed in order to form three different levels of drainage, to carry the length fluctuations due to thermal expansions and to form an un-interrupted thermal insulating layer in the entire surface of the construction.

The profile connectors used are manufactured from aluminum thus minimizing the risk of corrosion. All gaskets are made of EPDM thus withstanding extreme weather conditions and resulting in long life span.

CROMO™

MC 120

CONCEPT

MC120 IS A HANDRAIL SYSTEM FOR ARCHITECTURAL USES

SYSTEM DESCRIPTION

Quick and easy installation through various elements which are characterized by their modern and linear design

Proper structural stability achieved with lowest weight of profiles

Solutions for On-Floor & Embedded Profiles

Availability of LED light installation

PROFILES DIMENSIONS

U Shape: Width: 60.0-68.0 mm, Height 120.0 mm

F Shape: Width: 170.0 mm, Height 120.0 mm

Embedded: Width: 62.0-72.0 mm, Height 110.0 mm

CROMO™

MC 120

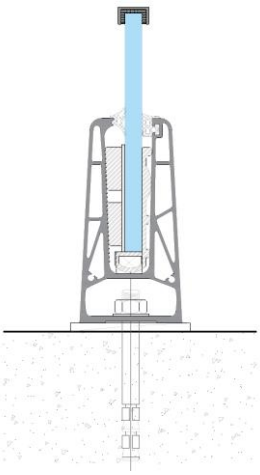
TECHNICAL CHARACTERISTICS

PROFILES	CONTINOUS
TYPES	ONE FLOOR, EMBEDDED & F-SHAPE
VISIBLE HEIGHT	16.0 – 120.0 mm
GLAZING OVERALL THICKNESS	SINGLE OR LAMINATED UP TO 21.52mm
SEALING	PVC SETTING BLOCK, ALUMINUM PLUGS & EPDM GASKETS

TYPES OF CURTAIN WALL

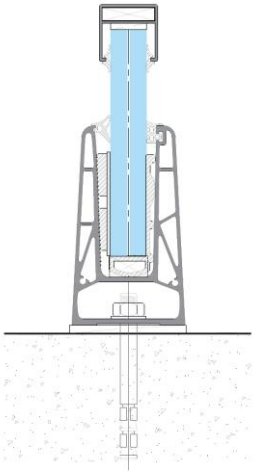
ON-FLOOR

MC1201 / MC1202



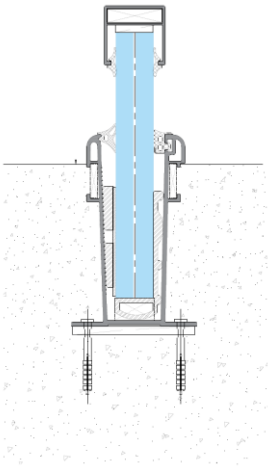
ON-FLOOR

MC1203



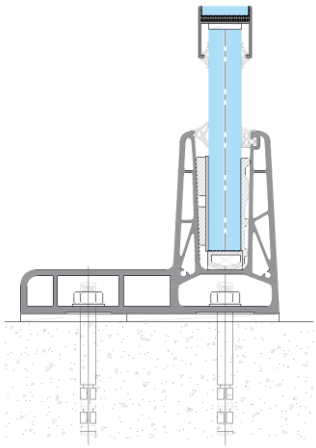
ON-FLOOR

MC1205 / MC1206



ON-FLOOR

MC1204



TECHNICAL DESCRIPTION OF THE SYSTEM

HANDRAILS FOR INDOOR AND OUTDOOR USE

Handrails provide support when climbing the stairs, and they also perform a vital role when it comes to safety. With our high-quality handrails made from aluminum, and our extensive range of accessories, we have the perfect solution for every requirement. Whether it's for indoor or outdoor use, with or without LED lighting.

CLEAR VIEWS, CONFIDENT DESIGN

Clear, Open Views: Drop-in glass panels and concealed hardware eliminate visual clutter.

Durable Construction: Powder-coated aluminum resists corrosion, fading, and impact.

Fast Drop-In Install: No drilling through glass—panels lock into upper and lower channel inserts.