



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

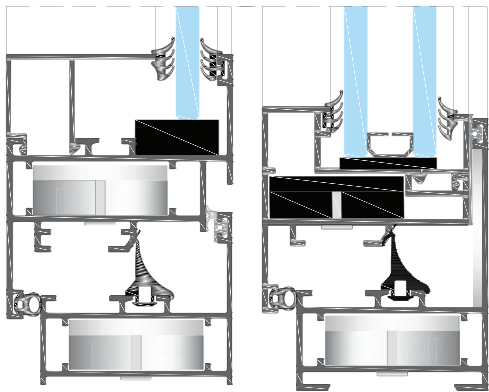
Sash Width: 59.0 mm

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



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.m² 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]