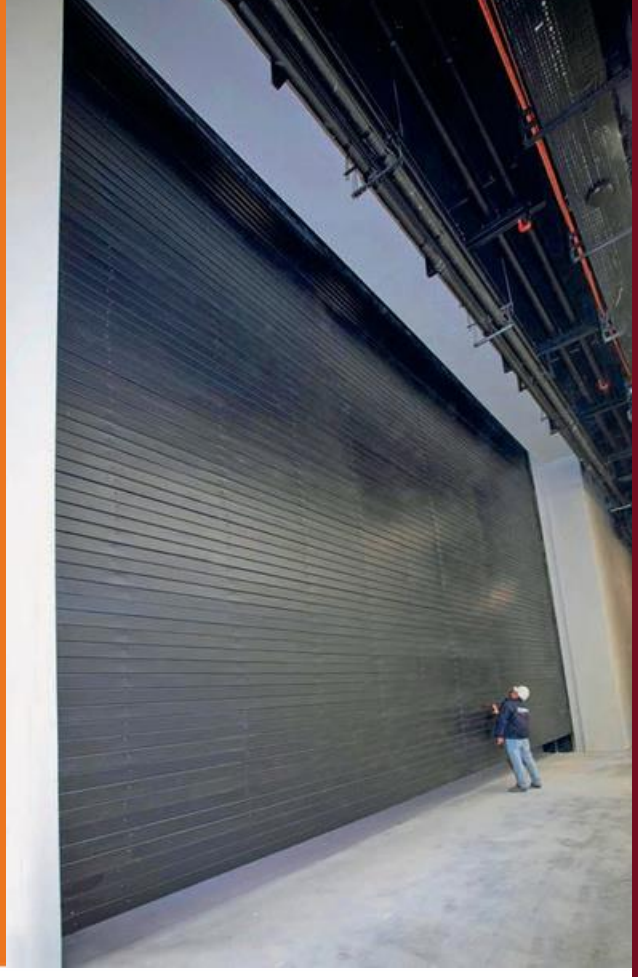

NS80 MODEL - E240

PRO DOOR SYSTEMS

FIRE RESISTANT
ROLLER SHUTTER

E240

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PRO DOOR SYSTEMS

FIRE RESISTANT ROLLER SHUTTER E240

Certificate
Fire Rated Roller Shutter (E240)
Certificate No: EEA-1900-0106 dated 24.10.2019

Ideal Uses
Application in indoor / outdoor for industrial buildings, Loading Bays, Warehouses, Factories, Hospitals, Large Commercial Buildings, Airports, Canteens, Restaurants, Shopping Mall, Car Parks, Department Stores and Fire Explosion Hazardous Environments.

Performance Characteristics:
Resistance to Fire : EN 1634-1 : 2014 + A1 :2008, rated E240
Classified according to EN 13501-2 :2016
Extended application of test results according to EN 15269-10:2011

Accreditations
EN 1634-1:2014+A1:2018 Fire resistance

TECHNICAL SPECIFICATIONS

Profile / Curtain
Profile / curtain made of galvanized interlocking roll-formed steel, single-skinned 80mm curved slat, sheet thickness from 0,80mm to 1,20mm with galvanized end locks riveted to the slats maintain profile / curtain alignment and prevent wear.

Side Guides
Side guides made of galvanized steel profile, 100x70mm dimension and 3,00mm thickness made by press break bending method, fixing to face of wall and between Jambs (U type and Z type) based on construction structure. Side guides can be mounted to the interior or exterior side of the wall or the jamb. Side guide assemblies bolt to fixing angles or frame steel and support the entire weight of the shutter.

Endplates
Manufactured from galvanized steel of adequate thickness between 3,00mm and 10,00mm relative to door size and supplied with steel plates for fixing to the structure. Bolt to side guides assembly and support shaft and curtain and prepared to accept the coil casing / hood. Securely bolted to steel angles which are drilled for attachment to the structure at the correct centres.

Coil Casing / Hood
Casing / hood made of galvanised steel and U or L type profile cover fastened to the lintel into which the top of the door engages for coiled shutter and motor providing an effective seal against the passage of flames.

Finish
ProDoor Systems shutters are finished in standard galvanized steel. Polyester powder coat in a range of standard RAL color are available on request.

Control Panel
Surface-mounted type control unite in a metal box with integrated keypad up-stop-down on the drive side with hold to run button at handy height. It is designed in accordance with smart building automation systems. The technical specifications of the control panels are also equipped according to the motor powers to be used. The control panel has diode overload protection and diode break protection feature. It has the features of remote on-off, remote monitoring system, audio-visual sound signal when the door is working and battery back-up facility where maintained power is required according to the dimensions in the control panel.

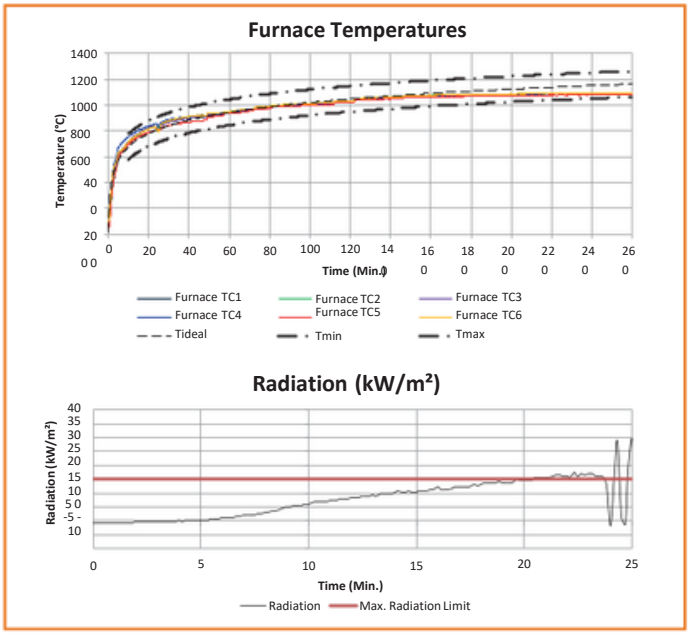
Options
•Key-switch control, Motor cover hood, Remote control, Loop detectors, Photocells, Timer closing, Other colors and Integral frame. •For Integral frame, in order to provide the desired fire value, the fire value of the existing wall and the area where the door will be made should be better than the desired fire value at the door. The internal frame profiles, where the door will be mounted, need to be backed up with fire board materials in a way that will provide the fire values after the assembly.

Operation / Drive
Electric Drive 3Ph 380V / 50 Hz, protection class IP54, directly coupled to the winding shaft, thermal motor protection in the motor windings, upper and lower limit switch for the control and main current circuit. Emergency hand-crack or hand-chain with safety contact. Wide range of drive torques is available based on curtain weight. Drive comes with push button control device. Usually connect to a fire control panel and integrated with the building alarm system, so that the shutter descends under control of the motor in the event of a fire. Also specially designed in accordance with smart building automation systems.

Bottom Rail
Bottom rail made of galvanized steel profile with strengthened 2 pieces L-shape (40x80mm dimension and 3,00mm thickness) made by press break bending method.

Roller / Barrel
The roller / barrel comprises a seamless steel tube of sufficient diameter and thickness to avoid deflection. Steel shafts and discs are inserted at each end and the whole assembly is supported in bearings mounted on each endplate.

TEST RESULTS



Technical support will be provided to the construction site after order confirmation.

Maximum Sizes 12,000mm wide x 12,000mm high
(Please contact us to discuss if there is a requirement beyond these dimensions)

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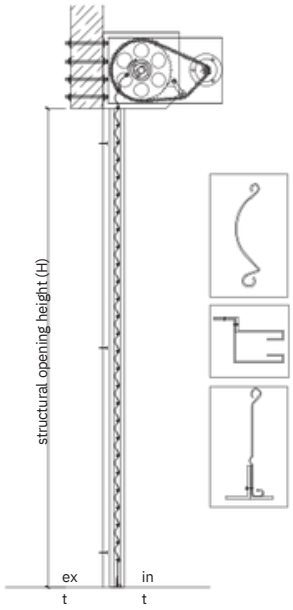
WALL SURFACE INSTALLATION



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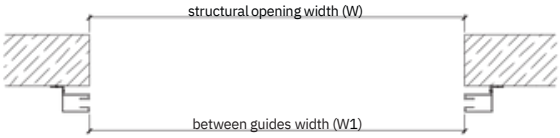
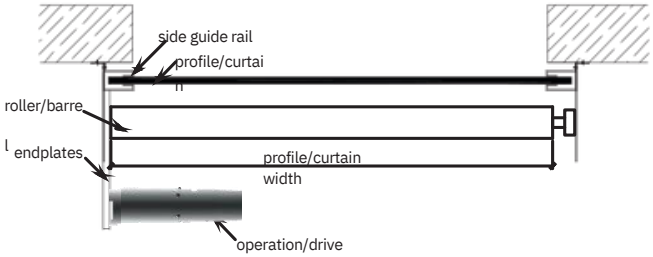
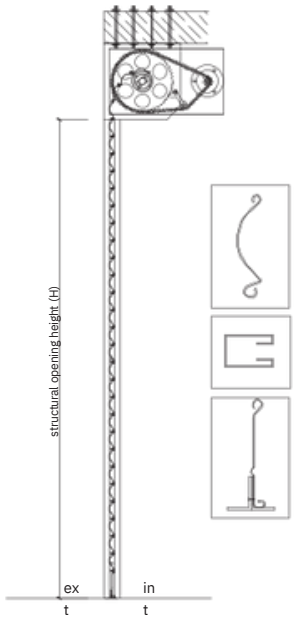


Plan at Guide Level



Plan at Roller/Barrel Level

UNDER THE LINTEL INSTALLATION



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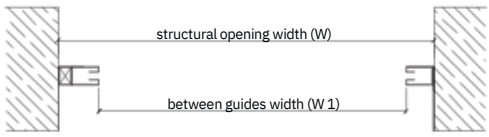
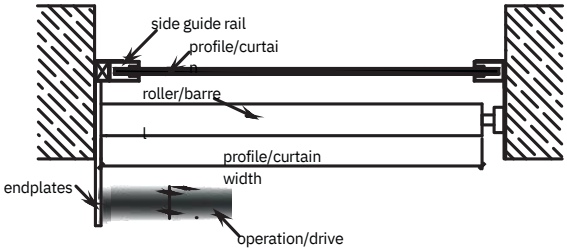


Plan at Guide Level



Plan at Roller/Barrel Level

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