

# HONEY COMB DOOR

NAFFCO “Eagle” Honeycomb Doors are highly economical doors which blend rigidity, durability, impact resistance and aesthetics in-addition to meeting exceptional level of flatness. These environmental friendly Doors have an excellent rigidity which is achieved by the numerous I-beam like structures formed by the Honeycomb Core. Being light-weighted, these Doors take a very less toll on the Ironmongery used thereby ensuring the longevity of the Doors and the ironmongery.



## Key Features

- Fabricated and Assembled in UAE
- Highly Economical and Environmental Friendly
- Cold Rolled Steel, Metallic Coated as per ASTM A 792 Standard offering Superior corrosion resistance
- Kraft Honeycomb Core with smaller cells offering phenomenal flatness and structural rigidity / strength
- Up to 180\* Minutes Fire Integrity
- Tested to UBC 7-2, ANSI/UL 10B, 10C (Positive Pressure Test Standard) or BS 476 Part 22 Standard
- Sound Transmission Classification rating up to 34 dB
- Thermal Characteristics: U Factor – 0.41, R Factor – 2.44
- Mechanically interlocked vertical edge seam construction for added structural strength
- 1-3/4” thick Door Leaf suited for wider selection of builders hardware
- Suited for light, medium, heavy duty and extra-heavy duty usage
- Bonding to both steel face sheets with full coat of polyurethane adhesive ensures corrosion resistance and structural rigidity
- 16GA Inverted Top and Bottom end channels welded to both face sheets
- Electrostatically Factory Powder Coated
- 8GA Galvanized Steel Hinge Reinforcement and 13GA Galvanized Steel Closer Reinforcement

## Available Options

- Fabricated and Assembled in UAE
- Highly Economical and Environmental Friendly
- Cold Rolled Steel, Metallic Coated as per ASTM A 792 Standard offering Superior corrosion resistance
- Kraft Honeycomb Core with smaller cells offering phenomenal flatness and structural rigidity / strength
- Up to 180\* Minutes Fire Integrity
- Tested to UBC 7-2, ANSI/UL 10B, 10C (Positive Pressure Test Standard) or BS 476 Part 22 Standard
- Sound Transmission Classification rating up to 34 dB
- Thermal Characteristics: U Factor – 0.41, R Factor – 2.44
- Mechanically interlocked vertical edge seam construction for added structural strength
- 1-3/4” thick Door Leaf suited for wider selection of builders hardware
- Suited for light, medium, heavy duty and extra-heavy duty usage
- Bonding to both steel face sheets with full coat of polyurethane adhesive ensures corrosion resistance and structural rigidity
- 16GA Inverted Top and Bottom end channels welded to both face sheets
- Electrostatically Factory Powder Coated
- 8GA Galvanized Steel Hinge Reinforcement and 13GA Galvanized Steel Closer Reinforcement

## Areas of Applications

- Office
- Apartment
- Healthcare
- Mercantile
- Factory
- Porta cabins
- Motel / Hotel
- Urban Renewal
- Institution
- Public Utility
- Warehouse

## Door Performance Level Chart

Model	Type	Gauge	Metric(mm)	Physical Endurance (Cycle Testing)
<b>LEVEL 1 – LIGHT COMMERCIAL DUTY</b>				
1	FULL FLUSH	18	1.2	1,000,000 Cycles
2	SEAMLESS	18	1.2	1,000,000 Cycles
<b>LEVEL 2 – HEAVY COMMERCIAL DUTY</b>				
1	FULL FLUSH	16	1.5	1,000,000 Cycles
2	SEAMLESS	16	1.5	1,000,000 Cycles
<b>LEVEL 3 – EXTRA HEAVY COMMERCIAL DUTY</b>				
1	FULL FLUSH	14	2.0	1,000,000 Cycles
2	SEAMLESS	14	2.0	1,000,000 Cycles

## Indicative Size Selection Chart

(All sizes in meters – width x Height basis)

Width		Height		
Single	Double			
0.8	1.6	2.0	2.2	2.4
0.9	1.8	2.0	2.2	2.4
1.0	2.0	2.0	2.2	2.4
1.1	2.1	2.0	2.2	2.4
1.22	2.2	2.0	2.2	2.4

## Design Options

