

# TECHNICAL DATA SHEET ( VENTILATION WINDOW PLAIN )



## PRODUCT DESCRIPTION

It is of brushed stainless steel type 316 or 304 or 430. Consists of frame, grating and magnetic brackets. The brackets are adjustable to fit different plate thicknesses. Fits plate thickness up to max 15 mm, it is used for cross ventilation of air in bathrooms. Grating is easily removable from the frame for cleaning. Frame is fixed permanently and conveys the essence of value. Installed in areas like places with bath tubs and pools for ventilations and to access the machine area.

## MATERIAL USED

Stainless Steel 316,304,430.

## DIMENSIONS

Sr. No.	Description	Finish	Length (±0.05mm)	Width (±0.05mm)	Thickness (±0.05mm)
1	Frame	BA	150	150	1
2	Grating	White Matte	150	150	1
3	Frame	BA	200	200	1
4	Grating	White Matte	200	200	1
5	Frame	BA	150	300	1
6	Grating	White Matte	150	300	1

Note- Grating also available with White or Black powder coating.  
Coating Thickness (Microns) - 75 - 85

## STAINLESS STEEL GRADE 316

### PHYSICAL PROPERTIES

■ Density g/cm <sup>3</sup>	: 7.90
■ Hardness (HV5)	: 200

### CHEMICAL PROPERTIES

- Superiorly Corrosion resistant.
- Acid resistant.
- Recommended to use in harsh environments.
- Heat resistance

## CHEMICAL COMPOSITION

Chemical Composition	CAS No.	% Weight
■ Carbon	7440-44-0	0.022
■ Chromium	7440-47-3	16.77
■ Iron	7439-89-6	67.91
■ Manganese	7439-96-5	1.761
■ Phosphorus	7723-14-0	0.039
■ Silicon	7440-21-3	0.359
■ Sulphur	7704-34-9	0.0055
■ Nickel	7440-02-0	10.24
■ Molybdenum	7439-98-7	2.074
■ Aluminium	7429-90-5	0.013
■ Cobalt	7440-48-4	0.21
■ copper	7440-50-8	0.403
■ Niobium	7440-03-1	0.019
■ Titanium	7440-32-6	0.0060
■ Vanadium	7440-62-2	0.069
■ Tungsten	7440-33-7	0.014
■ Tin	7440-31-5	0.012
■ Arsenic	7440-38-2	0.0075
■ Nitrogen	7727-37-9	0.066

## STAINLESS STEEL GRADE 304

### PHYSICAL PROPERTIES

■ Density g/cm <sup>3</sup>	: 7.90
■ Hardness (HV5)	: 220

### CHEMICAL PROPERTIES

- Standard Corrosion resistance
- Easy maintenance
- Not acid resistance

## CHEMICAL COMPOSITION

Chemical Composition	CAS No.	% Weight
■ Carbon	7440-44-0	0.065
■ Silicon	7440-21-3	0.330
■ Manganese	7439-96-5	1.030
■ Phosphorus	7723-14-0	0.041
■ Sulphur	7704-34-9	0.006
■ Chromium	7440-47-3	18.250
■ Molybdenum	7439-98-7	0.240
■ Nickel	7440-02-0	8.240
■ Aluminium	7429-90-5	0.0034
■ Cobalt	7440-48-4	0.220
■ Copper	7440-50-8	0.360
■ Niobium	7440-03-1	0.0079
■ Titanium	7440-32-6	0.004
■ Venadium	7440-62-2	0.006
■ Tungsten	7440-33-7	0.021
■ Tin	7440-31-5	0.008
■ Arsenic	7440-38-2	0.003
■ Boron	7440-42-8	0.0007
■ Nitrogen	7727-37-9	0.024
■ Iron	7439-89-6	71.140

## STAINLESS STEEL GRADE 430

### PHYSICAL PROPERTIES

■ Density g/cm <sup>3</sup>	: 7.90
■ Hardness (HV5)	: 175

### CHEMICAL PROPERTIES

- Good Corrosion resistance
- Not acid resistance

## CHEMICAL COMPOSITION

Chemical Composition	CAS No.	% Weight
■ Carbon	7440-44-0	0.080
■ Chromium	7440-47-3	16.420
■ Iron	7439-89-6	81.990
■ Manganese	7439-96-5	0.680
■ Phosphorus	7723-14-0	0.027
■ Silicon	7440-21-3	0.290
■ Sulphur	7704-34-9	0.004
■ Nickel	7440-02-0	0.160
■ Molybdenum	7439-98-7	0.014
■ Aluminium	7429-90-5	0.080
■ Cobalt	7440-48-4	0.031
■ Copper	7440-50-8	0.097
■ Titanium	7440-32-6	0.0037
■ Tungsten	7440-33-7	0.004
■ Tin	7440-31-5	0.004
■ Nitrogen	7727-37-9	0.027
■ Arsenic	7440-38-2	0.003
■ Venadium	7440-62-2	0.081
■ Niobium	7440-03-1	0.004
■ Boron	7440-42-8	0.0003

## STORAGE RECOMEDATION

Store in a cool well ventilated place in original packing. Open packing while going to be used.

## NOTE

- Product is in compliance with substance of Very High Concern (SVHC) i.e. ≤ 0.1 %w/w as per the candidate list promulgated by the European Chemicals Agency (ECHA) which are defined in Article 57 of REACH Regulation (EC1907/2006) checked by Tuv-Nord Group.