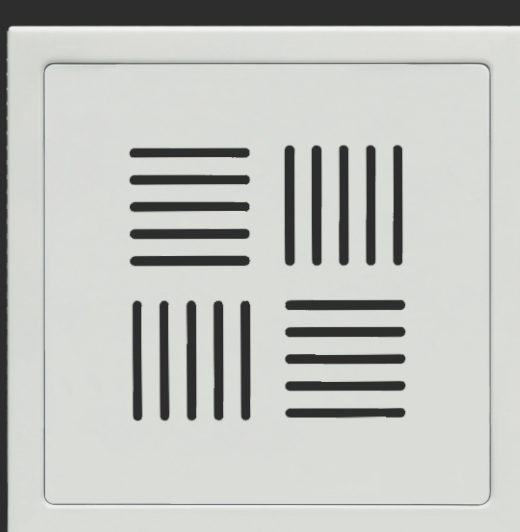


# TECHNICAL DATA SHEET (MATRIX)



## PRODUCT DESCRIPTION

Our Grating and frame are functional, attractive and economical solution to exterior and interior drainage problem provides a dynamic and contemporary appearance to complement today's architectural spaces.

## MATERIAL USED

Stainless Steel 316,304,430.

## KEY FEATURES

- Good Corrosion Resistance.
- Rapid Drainage, 85 ltr/min.

## DIMENSIONS

| Sr. No. | Description | Color       | Length<br>(±0.5mm) | Width<br>(±0.5mm) | Thickness<br>(±0.05mm) | Frame Height<br>(±0.5mm) |
|---------|-------------|-------------|--------------------|-------------------|------------------------|--------------------------|
| 1       | Frame       | WHITE MATTE | 200                | 200               | 1                      | 4                        |
|         | Grating     |             | 171                | 171               | 2                      |                          |

Note – Also available in pipe cut with 42mm Dia.

## STAINLESS STEEL GRADE 316

### PHYSICAL PROPERTIES

- Density g/cm<sup>3</sup> : 7.90
- Hardness (HV5) : 200
- Safe Load Capacity (Kg) : 450

### 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
- Safe Load Capacity (Kg) : 450

### 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
- Safe Load Capacity (Kg) : 450

### 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.  $\leq 0.1\%$  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.