



# Non Skid Walkway Platform & Step

## RHOMBUS 2.0



**Leading Manufacturer  
of Walkway Safety**

## Faith Group of Companies

-  Faith Services Pvt. Ltd.
-  Faith Sales & Services Pvt. Ltd.
-  Faith Scaffolding Services Pvt. Ltd.
-  Faith scafform India pvt. Ltd.



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# RHOMBUS 2.0



## OUR PLATFORM

### ★ Manufacturing Excellence

With a state-of-the-art manufacturing facility in Ahmedabad, we employ the latest technologies and adhere to the highest standards of quality control to produce Non skid walkway platform and step that stand out in terms of durability and reliability.

### ★ Customer-Centric Approach

We deeply care for our customers and prioritize their needs. Our dedicated team works tirelessly to understand the unique requirements of each client, ensuring that our products align seamlessly with their project specifications.

### ★ Innovation and Adaptability

In the dynamic field of manufacturing, adaptability is key. We thrive on innovation, constantly updating our product range to incorporate the latest advancements in Non skid walkway platform & step. This ensures that our clients always have access to the most efficient and modern solutions.

## WHY CHOOSE US?

We believe in treating our customer with respect and faith. we grow through creativity, invention and innovation. We integrate Honesty ,integrity and Business Ethic into all aspect of our business functioning.



### OUR STORY

Established in 2005, we take pride in our journey as experts in customized fabrication. With over a decade of experience, we have been delivering tailor-made solutions that meet the unique requirements of our valued clients. Our commitment to precision, innovation, and client satisfaction has been the driving force behind our success in the customized fabrication field.



### OUR VISION

It is to enhance prosperity of society & inspire next generation towards Growth



### OUR MISSION

It is to provide solution from steel to structure and build long term relationship with our customers and provide exceptional customer service by pursuing business through innovation and advance technology.



# Non skid walkway platform & step

According to OSHA\*, Fall and Slip accidents cause 15 of all accidental deaths, about 25 of all workplace injuries and approx 20 of all disabling injuries on the job.

These accidents cost in Human lives, Productivity loss, Compensations, Resource replacements etc.

Industry leader Non skid walkway platform & step provides maximum slip resistance in wet and oily environments The serrated matrix surface grips soles in all directions and prevents slippages and accidents.



## Advantages – Why Rhombus 2.0?



### SAFER

Non skid walkway platform & step offers extreme Slip-Resistance preventing accidents. Ideal for all sorts of Walking and Working Surfaces across all industries.



### LIGHTER

Weight of Non skid walkway platform & step for same area is substantially less compared to Bar Gratings & Chequered Plates. So there is Substantial REDUCTION (35 -45 %) in weights of all Operation Maintenance Platforms, Walkways, Stair Treads etc.



### COST EFFECTIVE

It is economic than both Bar Gratings and Chequered Plates.



### FASTER

Faster Production (~7000 Sq.m/Month) and Installation Speed with Short time delivery guarantee.



### STRONGER

Strength-To-Weight ratio of Non skid walkway platform & step is higher than Serrated Bar Gratings and Chequered Plates.



### MONOLITHIC DESIGN

Because there are no joints and welds in the product it is very sturdy and durable.

**High Load Capacity** - high strength-to -weight ratio achieved by deep section properties can serve longer spans than many comparable products.

**Maintenance-free** Open Design - allows for the quick passage of fluids, mud, snow and ice.

2

Rhombus



3

Rhombus



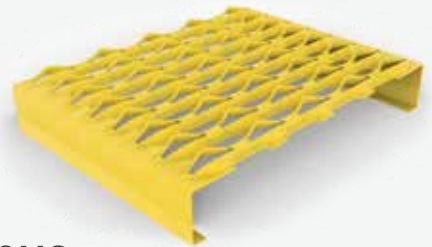
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Rhombus



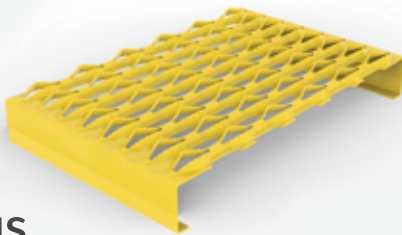
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Rhombus



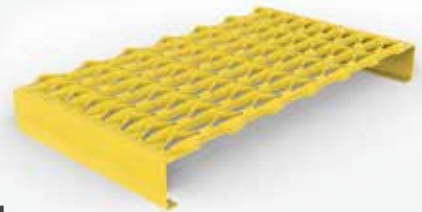
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Rhombus



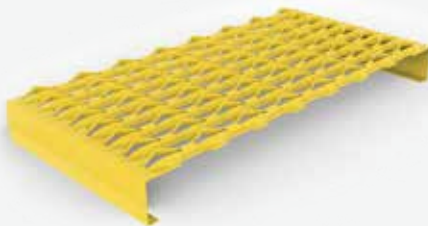
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Rhombus



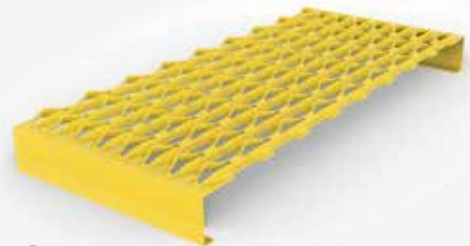
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Rhombus



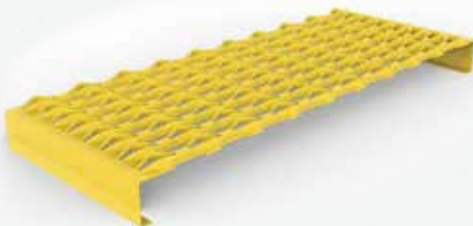
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Rhombus



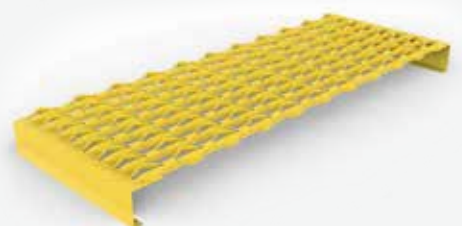
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Rhombus



11

Rhombus



# TECHNICAL SPECIFICATIONS of RHOMBUS 2.0



| No. of Rhombus | Width  |
|----------------|--------|
| 2 Rhombus      | 140 mm |
| 3 Rhombus      | 200 mm |
| 4 Rhombus      | 260 mm |
| 5 Rhombus      | 320 mm |
| 6 Rhombus      | 380 mm |
| 7 Rhombus      | 440 mm |
| 8 Rhombus      | 500 mm |
| 9 Rhombus      | 560 mm |
| 10 Rhombus     | 620 mm |
| 11 Rhombus     | 680 mm |

## Standard Height

38 50 75 mm (Can be Customized)

## Length

Min 400mm to as per requirement

## Surface Treatment

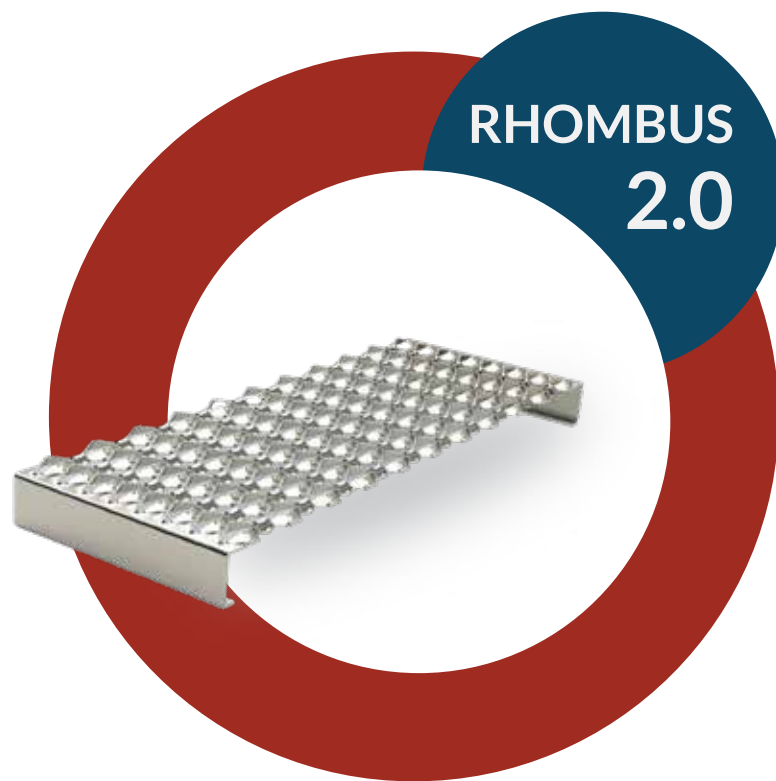
- Self Finish
- Painted
- Hot Dip Galvanized

| Material of Construction |                        |                     |
|--------------------------|------------------------|---------------------|
| Material of Construction | Material Grade         | Std. Thickness (mm) |
| Mild Steel               | IS 2062 : E250 / E 350 | 2.0, 2.5            |
| Stainless Steel          | As per requirement     | 1.6, 2.0            |
| Aluminium                | As per Requirement     | 2.0, 2.5, 3.0       |
| Pre Galvanised           | IS 277                 | 2.0, 2.5            |



# Load Tables MS (IS:2062) & SS 304

| Light Duty 2.0 mm Thickness |           |         |      |      |      |      |
|-----------------------------|-----------|---------|------|------|------|------|
| B<br>(mm)                   | H<br>(mm) | I (mm)  | 750  | 1000 | 2000 | 1500 |
|                             |           | Δd (mm) | 3.75 | 5.00 | 6.00 | 6.00 |
| 200                         | 40        | UDL     | 2174 | 1224 | 545  | 276  |
|                             |           | CL      | 942  | 681  | 438  | 324  |
|                             | 50        | UDL     | 2174 | 1224 | 545  | 276  |
|                             |           | CL      | 942  | 681  | 438  | 324  |
| 260                         | 40        | UDL     | 2174 | 1224 | 545  | 276  |
|                             |           | CL      | 942  | 681  | 438  | 324  |
|                             | 50        | UDL     | 2174 | 1224 | 545  | 276  |
|                             |           | CL      | 942  | 681  | 438  | 324  |
| 320                         | 40        | UDL     | 2174 | 1224 | 545  | 276  |
|                             |           | CL      | 942  | 681  | 438  | 324  |
|                             | 50        | UDL     | 2174 | 1224 | 545  | 276  |
|                             |           | CL      | 942  | 681  | 438  | 324  |
| 500                         | 40        | UDL     | 2174 | 1224 | 545  | 276  |
|                             |           | CL      | 942  | 681  | 438  | 324  |
|                             | 50        | UDL     | 2174 | 1224 | 545  | 276  |
|                             |           | CL      | 942  | 681  | 438  | 324  |



# Load Tables Aluminium

| Light Duty 2.0 mm Thickness |           |         |      |      |      |      |
|-----------------------------|-----------|---------|------|------|------|------|
| B<br>(mm)                   | H<br>(mm) | I (mm)  | 750  | 1000 | 2000 | 1500 |
|                             |           | Δd (mm) | 3.75 | 5.00 | 6.00 | 6.00 |
| 200                         | 40        | UDL     | 1568 | 663  | 198  | 86   |
|                             |           | CL      | 697  | 423  | 187  | 106  |
|                             | 50        | UDL     | 2345 | 1176 | 350  | 150  |
|                             |           | CL      | 1015 | 734  | 332  | 188  |
| 260                         | 40        | UDL     | 1206 | 510  | 152  | 66   |
|                             |           | CL      | 536  | 326  | 144  | 84   |
|                             | 50        | UDL     | 1803 | 905  | 270  | 116  |
|                             |           | CL      | 781  | 565  | 255  | 144  |
| 320                         | 40        | UDL     | 981  | 415  | 124  | 54   |
|                             |           | CL      | 436  | 265  | 118  | 68   |
|                             | 50        | UDL     | 1466 | 736  | 219  | 94   |
|                             |           | CL      | 635  | 459  | 208  | 118  |
| 500                         | 40        | UDL     | 626  | 266  | 80   | 35   |
|                             |           | CL      | 278  | 170  | 76   | 44   |
|                             | 50        | UDL     | 937  | 472  | 141  | 61   |
|                             |           | CL      | 405  | 295  | 134  | 76   |

| Medium Duty 2.5 mm Thickness |           |         |      |      |      |      |
|------------------------------|-----------|---------|------|------|------|------|
| B<br>(mm)                    | H<br>(mm) | I (mm)  | 750  | 1000 | 2000 | 1500 |
|                              |           | Δd (mm) | 3.75 | 5.00 | 6.00 | 6.00 |
| 500                          | 50        | UDL     | 1120 | 563  | 168  | 72   |
|                              |           | CL      | 486  | 351  | 159  | 90   |
|                              | 75        | UDL     | 2269 | 1274 | 485  | 208  |
|                              |           | CL      | 983  | 679  | 436  | 322  |
| 620                          | 50        | UDL     | 904  | 455  | 136  | 59   |
|                              |           | CL      | 392  | 284  | 130  | 73   |
|                              | 75        | UDL     | 1830 | 1030 | 392  | 166  |
|                              |           | CL      | 793  | 572  | 369  | 209  |
| 740                          | 50        | UDL     | 757  | 382  | 114  | 49   |
|                              |           | CL      | 329  | 238  | 108  | 62   |
|                              | 75        | UDL     | 1534 | 864  | 329  | 140  |
|                              |           | CL      | 665  | 481  | 310  | 175  |
| 800                          | 50        | UDL     | 702  | 353  | 106  | 46   |
|                              |           | CL      | 304  | 220  | 100  | 58   |
|                              | 75        | UDL     | 1419 | 799  | 304  | 129  |
|                              |           | CL      | 615  | 445  | 289  | 164  |

| Heavy Duty 3.0 mm Thickness |           |         |      |      |      |      |
|-----------------------------|-----------|---------|------|------|------|------|
| B<br>(mm)                   | H<br>(mm) | I (mm)  | 750  | 1000 | 2000 | 1500 |
|                             |           | Δd (mm) | 3.75 | 5.00 | 6.00 | 6.00 |
| 500                         | 50        | UDL     | 1282 | 644  | 193  | 84   |
|                             |           | CL      | 556  | 402  | 182  | 104  |
|                             | 75        | UDL     | 2631 | 1482 | 563  | 234  |
|                             |           | CL      | 1140 | 824  | 530  | 299  |
| 740                         | 50        | UDL     | 867  | 437  | 132  | 56   |
|                             |           | CL      | 376  | 272  | 124  | 70   |
|                             | 75        | UDL     | 1779 | 1001 | 380  | 162  |
|                             |           | CL      | 771  | 557  | 359  | 203  |
| 800                         | 50        | UDL     | 802  | 404  | 121  | 52   |
|                             |           | CL      | 348  | 252  | 115  | 65   |
|                             | 75        | UDL     | 1645 | 926  | 352  | 150  |
|                             |           | CL      | 713  | 516  | 332  | 188  |
| 980                         | 50        | UDL     | 655  | 330  | 99   | 43   |
|                             |           | CL      | 285  | 208  | 94   | 53   |
|                             | 75        | UDL     | 1345 | 757  | 290  | 123  |
|                             |           | CL      | 582  | 421  | 172  | 154  |

B = Grating Width

H = Grating Height Depth

I = Grating Length Span

Δd = Allowable Deflection

UDL = Allowable Uniformly Distributed Load (kg/Sqm)

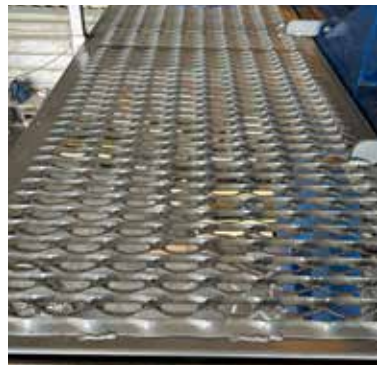
CL = Allowable Concentrated Load along the width (kg/m)

# Rhombus 2.0 vs Gratings vs Chequered Plate

|                                                           | Chequered Plate                                               | Serrated Bar Grating                                                      | Rhombus 2.0                                                                      |
|-----------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Sample Dimension                                          | 1000 mm X 500 mm                                              | 1000 mm X 500 mm                                                          | 1000 mm X 500 mm                                                                 |
| Material                                                  | MS-IS:2062 MS                                                 | MS-IS:2062                                                                | MS-IS:2062                                                                       |
| Sample Weight Kg                                          | ~ 24 Kg                                                       | ~ 24 Kg                                                                   | ~ 13 Kg                                                                          |
| Load Bearing Area                                         | 0.500 Sqm.                                                    | 0.500 Sqm.                                                                | 0.500 Sqm.                                                                       |
| Specification                                             | 6 mm Thk Chequered Plate (With 60x6mm Stiffeners @ 700mm c/c) | Flat 25X6 Main Members @ 35mm C/C + 12mm Dia. ISRO Sec. Member @ 75mm c/c | 2.5 mm Thk. Cold Cold-Stamped & pressed Plate with 50mm Side + 10mm Bottom Bends |
| Construction Type                                         | Flat Plate with Stiffeners welded underneath                  | Electroforged (Rod welded over Serrated Flats)                            | Single Plank / Monolithic design -No welded Joints                               |
| Opening/Void                                              | No Opening                                                    | 35mmX75mm                                                                 | 15mm X 45mm                                                                      |
| Fixing Type / Method                                      | Welding                                                       | Clamping                                                                  | Welding, Bolting, Clamping                                                       |
| Weight / Sqm                                              |                                                               |                                                                           |                                                                                  |
| Slip Angle / Grade                                        | ~19 to 22 / R-11                                              | ~20 to 26 / R-11                                                          | ~46 46 / R-13                                                                    |
| Uphill Slip Rate @ 10 100(%age chance of                  | Dry Surface = 0%<br>Wet Surface (Oil) = 8%                    | Dry Surface = 0%<br>Wet Surface (Oil) = 0%                                | Dry Surface = 0%<br>Wet Surface (Oil) = 0%                                       |
| Downhill Slip Rate @ 10 100(%age chance of                | Dry Surface = 0%<br>Wet Surface (Oil) = 0%                    | Dry Surface = 0%<br>Wet Surface (Oil) = 0%                                | Dry Surface = 0%<br>Wet Surface (Oil) = 0%                                       |
| Uphill Slip Rate @ 20 200(%age chance of                  | Dry Surface = 8%<br>Wet Surface (Oil) = 67%                   | Dry Surface = 0%<br>Wet Surface (Oil) = 0%                                | Dry Surface = 0%<br>Wet Surface (Oil) = 0%                                       |
| Downhill Slip Rate @ 20 200(%age chance of                | Dry Surface = 17%<br>Wet Surface (Oil) = 83%                  | Dry Surface = 0%<br>Wet Surface (Oil) = 0%                                | Dry Surface = 0%<br>Wet Surface (Oil) = 0%                                       |
| Load Capacity (Required as per Standard, UDL ~ 400Kg/Sqm) | UDL = ~600 Kg/sqm                                             | UDL = 1800 Kg/Sqm<br>CL = 1090 Kg/m                                       | UDL = 969 Kg/Sqm<br>CL = 539 Kg/m                                                |
| Co-efficient of Friction, C.O.F (OSHA Rqmt. = 0.5)        | Dry Surface = 0.77<br>Wet Surface (Oil) = 0.39                | Dry Surface = 0%<br>Wet Surface (Oil) = 0%                                | Dry Surface = 0%<br>Wet Surface (Oil) = 0%                                       |

# From our factory

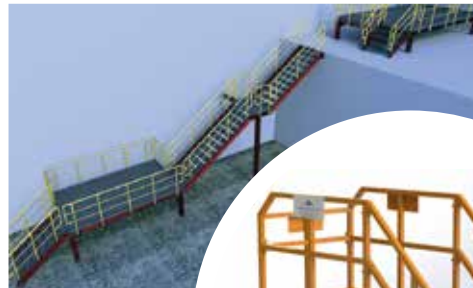
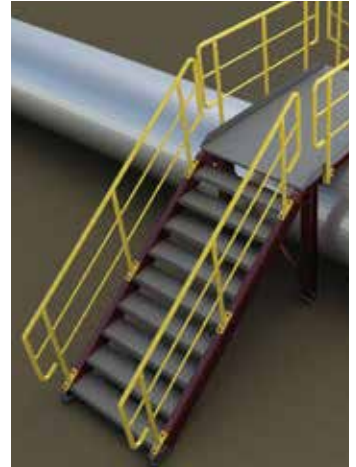
Faith Services is currently supplying Non skid walkway platform & step in various different Materials, Sizes, Finish, and Specifications to many industry renowned companies as per there requirements. Below are few pictures of what and how we have been supplying...



# Applications

Non skid walkway platform & step have wide range of applications across multiple industries.

- Working platforms
- Maintenance Platforms
- Stair treads
- Ladder rungs
- Pipe Rack Walkways
- Rooftop Walkways
- Conveyor Gallery Walkways
- Tunnel Walkways
- Heavy Duty Industrial Flooring
- Vehicle Steps
- Sloped Ramps
- Marine/Offshore Platforms



# Industries

- Oil & Gas Refineries
- Oil & Gas- Offshore
- Petro chemicals
- Mining & Metals
- Power Plants
- Pharmaceuticals
- Marine&Shipbuilding
- FMCG
- Airport Projects
- Railway Projects
- Solar Power Projects
- High Rise Buildings



# We are Trusted by Our Clients



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Inspire the Next

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GE POWER

  
**SANGHI**  
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**CEPT**  
UNIVERSITY



  
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UCO BANK



ITC Limited

  
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**NCC**

  
Hindustan Unilever Limited



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WE FUEL AMAZING



Gujarat  
Pollution Control  
Board

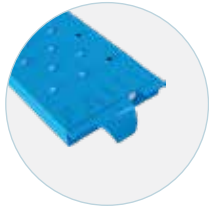
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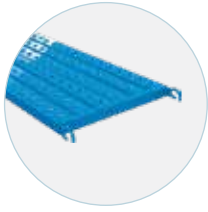
  
Lifting Global Trade.  
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& many more.....

## Planks



Dogear Plank



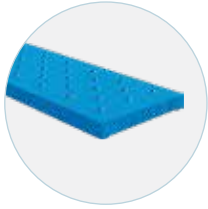
DOOSAN Plank



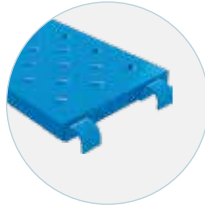
L&T Hook Plank



CV Hook Plank



Simple Plank



U Type Hook Plank



# Thank You

### Head Office

L/1216/1, Road "G", Lane No. 7,  
Phase-IV, Naroda GIDC, Naroda,  
Ahmedabad - 382330, Gujarat.

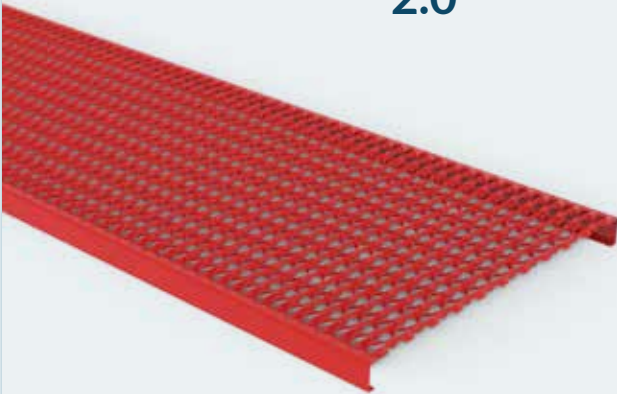
### UNIT I

New Survey No.151, Old Survey  
No. 113/2, Moje Sada Ni Muvadi,  
Taluka - Prantij, Sabarkantha -  
383205 Gujarat.

### UNIT II

E-497, Hirapur Industrial Estate,  
Nr. Bol Village, Sanand - II GIDC,  
Ahmedabad - 382110, Gujarat.

## Rhombus 2.0



## Form Work System

