

**TECHNICAL DATA SHEET**

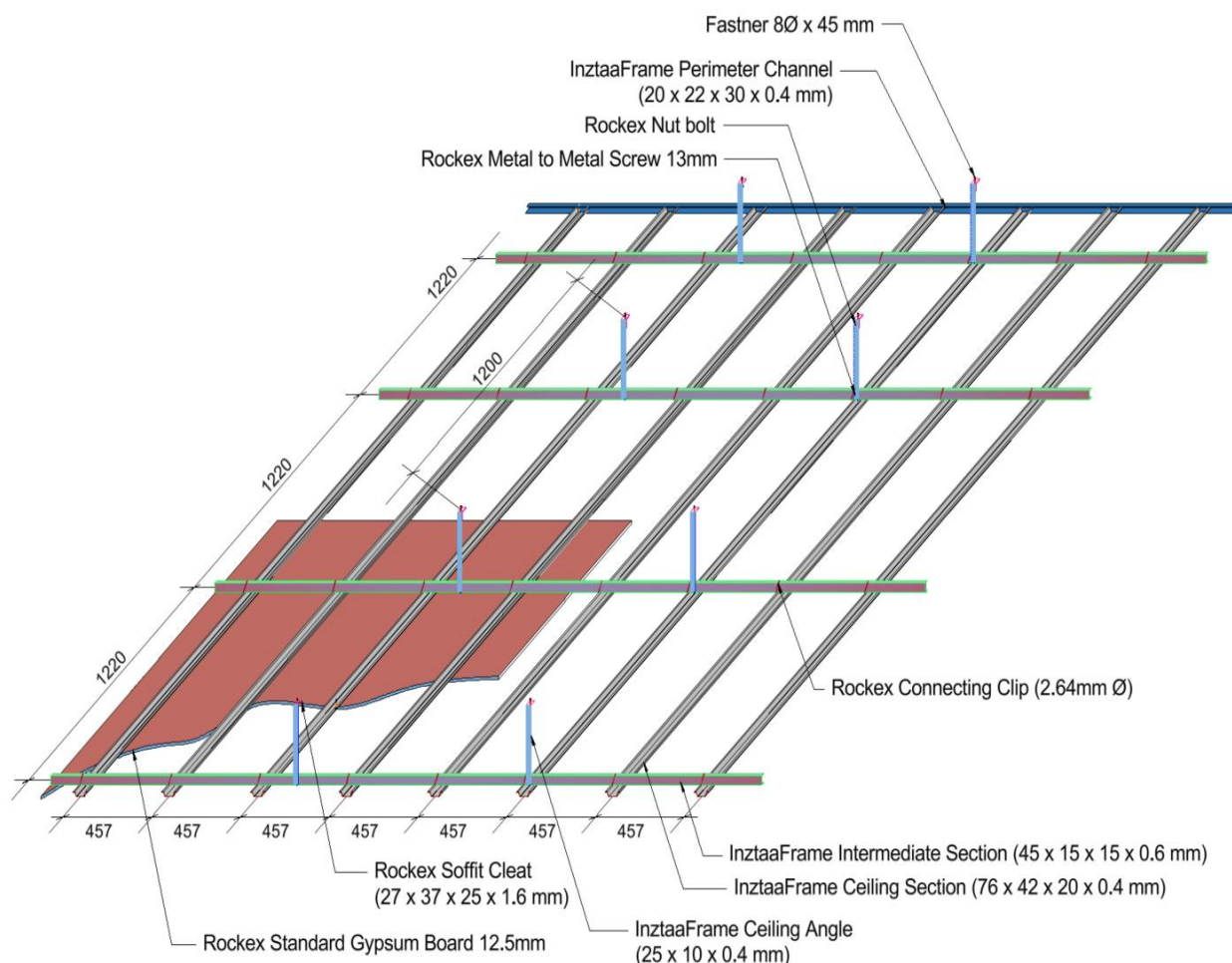
Application: Gypsum Board Suspended Ceiling Systems

**Applicable Standards** IS 277:2018, IS 513 (Part 1):2016, IS 811:1987, IS 801

## 1. Product Overview

Precision-manufactured from hot-dip galvanized cold-formed steel, it ensures exceptional structural stability, precise level consistency, and long-term corrosion resistance for seamless, high-end interior finishes.

Engineered for fast installation, zero hassle, and absolute accuracy, the **HomeSure ROCKEx InztaaFrame™ Integrated Suspended Ceiling System** delivers a high-performance concealed grid for modern gypsum board applications.



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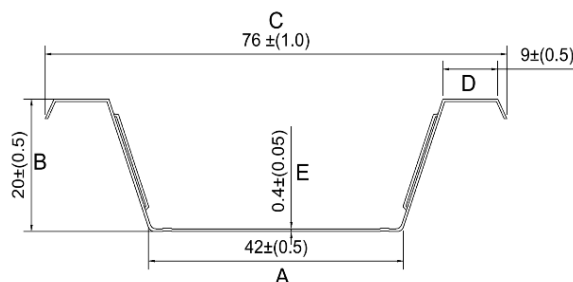
## 2. System Component

### 2.1 InztaaFrame™ Ceiling Section

The **HomeSure ROCKEx InztaaFrame™ Ceiling Section** functions as the secondary framing member within GI-framed gypsum board suspended ceiling assemblies. Connected perpendicularly beneath the primary intermediate channels using dedicated connecting clips, these precision-engineered galvanised iron sections provide a stable, level substructure to which gypsum plasterboards are directly mechanically fastened using drywall screws.



| Sl. | Parameters                     | Unit | Tolerances                      |
|-----|--------------------------------|------|---------------------------------|
| 1   | Web (A)                        | mm   | 42 (+/-0.5)                     |
| 2   | Flange Left (B)                | mm   | 20 (+/-0.5)                     |
| 3   | Flange Right (B)               | mm   | 20 (+/-0.5)                     |
| 4   | Width (C)                      | mm   | 76 (+/-1.0)                     |
| 5   | Lip (D)                        | mm   | 9 (+/-0.5)                      |
| 6   | Thickness (E)                  | mm   | 0.40 (+/-0.02)                  |
| 7   | Length                         | mm   | 3660 (+/-5)                     |
| 8   | Galvanising as per IS 277-2018 | GSM  | 120 GSM inclusive of both sides |



Minimum Yield Strength: 230 Mpa

### 2.2 InztaaFrame™ Intermediate Channel

The **HomeSure ROCKEx InztaaFrame™ Intermediate Channel** is a critical primary structural component designed for GI-framed gypsum board suspended ceiling assemblies. Installed perpendicularly to the secondary ceiling sections, these galvanised iron channels are anchored directly to the RCC slab using ceiling angles, soffit cleats, and mechanical fasteners to ensure reliable structural load distribution.



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| Sl. | Parameters                     | Unit | Tolerances                      |  |
|-----|--------------------------------|------|---------------------------------|--|
| 1   | Web (A)                        | mm   | 45 (+/-0.5)                     |  |
| 2   | Flange Right (B)               | mm   | 15 (+/-0.5)                     |  |
| 3   | Flange Left (C)                | mm   | 15 (+/-0.5)                     |  |
| 4   | Thickness (E)                  | mm   | 0.60 (+/-0.02)                  |  |
| 5   | Length                         | mm   | 3660 (+/-5)                     |  |
| 6   | Galvanising as per IS 277-2018 | GSM  | 120 GSM inclusive of both sides |  |

Minimum Yield Strength: 230 Mpa

## 2.3 InztaaFrame™ Perimeter Section

The **HomeSure ROCKEx InztaaFrame™ Perimeter Section** serves as the continuous edge-anchoring channel for suspended ceiling grid assemblies. Fixed



along boundary structures—including brickwork, drywall framing, or reinforced concrete walls—it stabilizes the grid perimeter, aligns and retains the ends of secondary ceiling sections, and supports the main Intermediate Channels to keep the entire grid level.

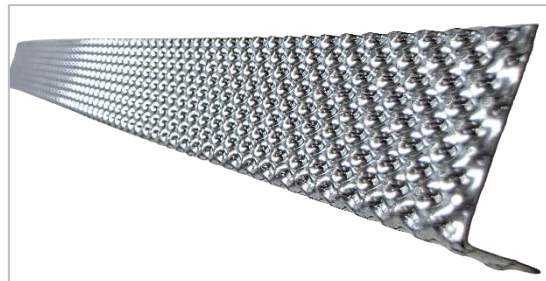
| Sl. | Parameters                     | Unit | Tolerances                      |  |
|-----|--------------------------------|------|---------------------------------|--|
| 1   | Web (A)                        | mm   | 22 (+/-0.5)                     |  |
| 2   | Flange Left (B)                | mm   | 20 (+/-0.5)                     |  |
| 3   | Flange Right (C)               | mm   | 30 (+/-0.5)                     |  |
| 4   | Thickness (E)                  | mm   | 0.40 (+/-0.02)                  |  |
| 5   | Length                         | mm   | 3660 (+/-5)                     |  |
| 6   | Galvanising as per IS 277-2018 | GSM  | 120 GSM inclusive of both sides |  |

Minimum Yield Strength: 230 Mpa

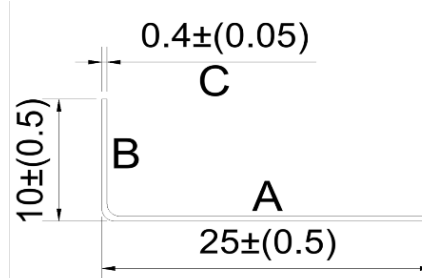
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## 2.4 InztaaFrame™ Ceiling Angle

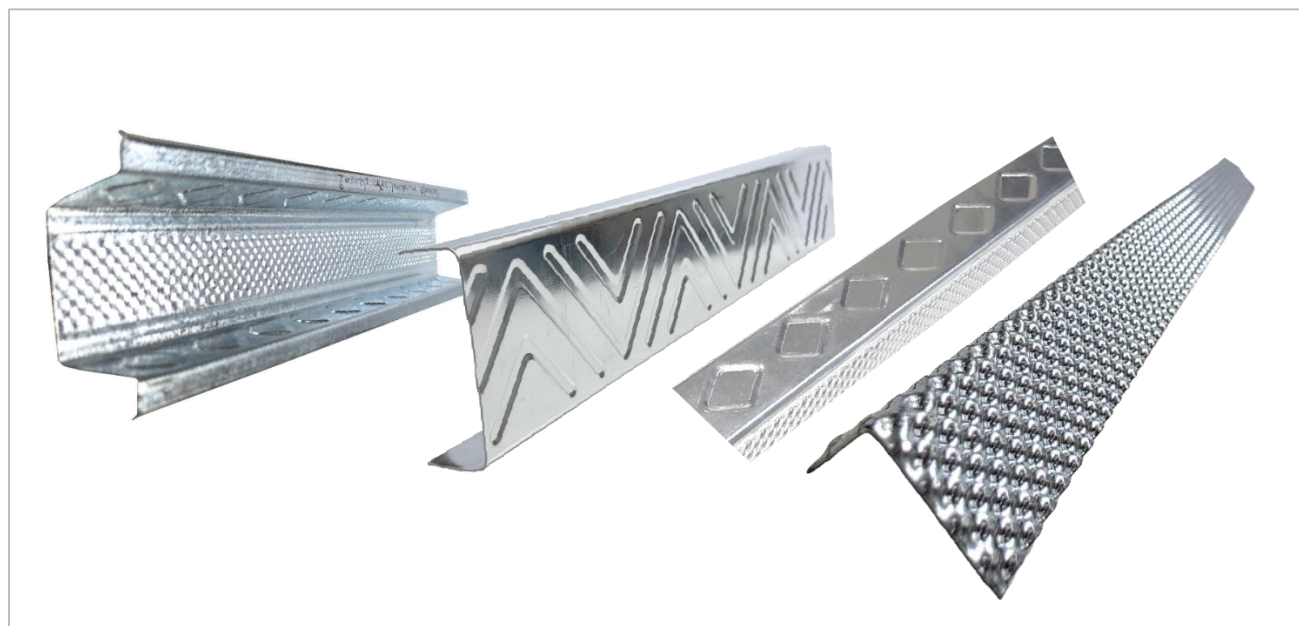
The **HomeSure ROCKEx InztaaFrame™ Ceiling Angle** serves as the main vertical hanger in a suspended ceiling grid. Fixed to the RCC slab with soffit cleats and fasteners, it extends downward to secure the intermediate channels, bearing the full load of the ceiling system.



| Sl. | Parameters                     | Unit | Tolerances                      |
|-----|--------------------------------|------|---------------------------------|
| 1   | Flange (A)                     | mm   | 10 (+/-0.5)                     |
| 2   | Flange (B)                     | mm   | 25 (+/-0.5)                     |
| 4   | Thickness (E)                  | mm   | 0.40 (+/-0.02)                  |
| 5   | Length                         | mm   | 3660 (+/-5)                     |
| 6   | Galvanising as per IS 277-2018 | GSM  | 120 GSM inclusive of both sides |



Minimum Yield Strength: 230 Mpa



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