



ROOF SAFETY

# SKY FALL

## PROTECTION SYSTEM

Engineered fall-through protection for polycarbonate, FRP and translucent rooflights

Protect People

Protect Fragile Roof Areas

Prevent Falls

# One wrong step on a rooflight can cost a life.

One installation removes that risk for years.

## THE RISK, IN 30 SECONDS

### Daylight in. Not designed for weight.

Polycarbonate and FRP rooflights bring free daylight into your factory. They are not designed to carry a person's weight. After a few years of sun, heat and dust, they look almost the same as the metal roof around them.

Your roof is visited far more often than you think — and often by people who do not know where the rooflights are.



## WHO WALKS ON YOUR ROOF?

### More people than you think.

**01**

#### Maintenance teams

Roof inspection, leak repair, painting and corrosion work

**02**

#### Solar contractors

Panel installation, cleaning and servicing — often monthly

**03**

#### Electrical & HVAC teams

Cable routing, ventilators, exhaust and utility work

**04**

#### Roofing & cleaning agencies

Gutter cleaning, sheet replacement, rooflight cleaning

## WHY ROOFLIGHT FALLS HAPPEN

# Five reasons good workers fall through.

1

### Poor visibility

Dust and weathering make rooflights hard to tell apart from metal sheet

2

### Ageing

Years of UV and heat weaken the sheet; it may look strong but fail under load

3

### Distraction

A worker focused on tools or equipment steps back onto a rooflight

4

### Slips and trips

Even a worker who knows the layout can lose balance next to a rooflight

5

### Unfamiliar contractors

Outside agencies change often and do not know the roof layout



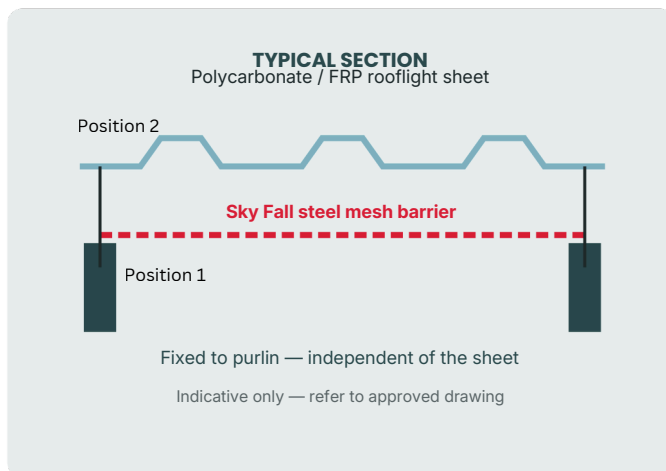
**Signs warn. Training reminds.  
Only a physical barrier stops a fall.**

Safety should not depend on someone remembering where not to step.

## WHAT YOU ARE BUYING

# A permanent barrier over every rooflight.

Sky Fall Protection is a permanent barrier fixed over each rooflight. If a person steps, slips or falls onto the protected area, the barrier stops them going through the sheet. **Daylight continues to pass through.**



## Technical specification

| Specification            | Detail                                                                                                       |
|--------------------------|--------------------------------------------------------------------------------------------------------------|
| Material                 | galvanised steel grid / mesh — grade                                                                         |
| Grid / opening size      | 15 x 15 , 50 x 50                                                                                            |
| Wire / bar thickness     | 1.6 mm , 2.00 mm                                                                                             |
| Coating                  | Zinc coating                                                                                                 |
| Load / drop-test rating  | 110 KG                                                                                                       |
| Fixing method            | Self-tapping screw injected in purlin, roof profile fastener fixing type, and accessories and fixing section |
| Compatible roof profiles | All /Any Profile                                                                                             |
| Daylight reduction       | 0 %                                                                                                          |
| Design life / warranty   | 10 years                                                                                                     |
| Installation time        | 45 minutes per rooflight — no production shutdown required                                                   |

### New buildings

Specify with daylighting at design stage

### Existing factories

Retrofit over rooflights already installed

### Warehouses & logistics

Large roofs with many rooflights

## 2-MINUTE SELF-CHECK

# Is your roof at risk?

Score each factor 0, 1 or 2 for your own factory, then add up your total.

| Factor                         | 0 points              | 1 point              | 2 points                    | Score |
|--------------------------------|-----------------------|----------------------|-----------------------------|-------|
| Number of rooflights           | Under 10              | 10–50                | Over 50                     |       |
| Age of rooflights              | Under 3 years         | 3–8 years            | Over 8 years / unknown      |       |
| Roof access frequency          | Once a year or less   | Every quarter        | Monthly or more             |       |
| Solar panels on roof           | None                  | Planned              | Installed                   |       |
| Contractors on roof            | Own trained team only | 1–2 regular agencies | Many / changing             |       |
| Rooflights near walking routes | Well separated        | Near some routes     | Next to gutters / equipment |       |
| Existing physical protection   | All protected         | Some protected       | None                        |       |
| Dust / weathering on sheets    | Clean                 | Some                 | Heavy                       |       |
| TOTAL (out of 16)              |                       |                      |                             |       |

### 0–5 • MONITOR

Keep signage, permits and training. Review again in 12 months.

### 6–10 • PLAN

Protect rooflights on access routes and near equipment this financial year.

### 11–16 • ACTNOW

Protect before the next roof maintenance or solar cleaning visit.

*This self-check is a guide to help prioritise action. Confirm the result in your formal working-at-height risk assessment.*

## Before your next roof visit, ask:

- ☐ Are all polycarbonate and fragile roof areas identified and marked?
- ☐ Can somebody accidentally step or fall onto them?
- ☐ What physically stops a person from falling through?
- ☐ Are contractors told where the fragile zones are — every time?

**If any answer is “not sure”, your roof needs a safety review.**

## THE NUMBERS

# What it costs vs what a fall costs

Compare the cost of one serious incident with the cost of protecting every rooflight. Example figures are for a mid-size plant — fill in your own.

| Cost of ONE serious fall-through incident                                   | Maximum — your figure (₹) | Minimum — your figure (₹) |
|-----------------------------------------------------------------------------|---------------------------|---------------------------|
| Production stoppage — rescue, inspection, investigation (3 days × ₹ ? lakh) | You decide                | You decide                |
| Statutory compensation, medical and legal costs                             | You decide                | You decide                |
| Management time, consultants, inspector visits                              | You decide                | You decide                |
| Roof repair after the incident                                              | You decide                | You decide                |
| Customer / audit fallout, higher insurance                                  | You decide                | You decide                |
| <b>TOTAL — one incident (excluding human cost)</b>                          | You decide                | You decide                |

| Cost of protection                  | Example (₹)        | Your figure (₹) |
|-------------------------------------|--------------------|-----------------|
| Number of rooflights to protect     | 40                 |                 |
| Supply + installation per rooflight | ?                  |                 |
| <b>TOTAL — one-time cost</b>        | <b>[40 × rate]</b> |                 |

**Protecting every rooflight typically costs a small fraction of one serious incident —**

before counting the cost of a life or a permanent disability, which no budget can repay.

## How it compares with other controls

| Control                        | Stops a fall-through?        | Depends on worker behaviour? | Protects unfamiliar contractors? |
|--------------------------------|------------------------------|------------------------------|----------------------------------|
| Warning signs / paint marking  | No                           | Fully                        | Weakly                           |
| Permits, training, supervision | No                           | Fully                        | Only if enforced every visit     |
| Walkways                       | Only if worker stays on it   | Partly                       | Partly                           |
| Lifeline + harness             | Arrests fall after it starts | Must be worn and clipped     | Only if worn correctly           |
| <b>GS Sky Fall Protection</b>  | <b>YES</b>                   | <b>NO</b>                    | <b>YES</b>                       |

**Best practice: physically guard the hazard first, then use signs, permits and PPE as supporting layers.**

## ONE DECISION FOR EVERY STAKEHOLDER

# Is your roof safe for the people who must access it?

### Factory owners & management

The question is not "Is my roof watertight?" but "Is my roof safe for people who must access it?" One unprotected rooflight can mean a fatality, a shutdown and a legal case.

### EHS & safety officers

Include every rooflight in your working-at-height assessment. Physical protection closes a hazard that permits and PPE only manage.

### Architects & consultants

Specify protection along with daylighting. A building runs for decades; most people who walk on its roof were never part of its construction.

### EPC & solar contractors

Protect rooflights before your teams install and clean panels. It protects your people and your contract.

## HOW WE WORK

# Our 6-step roof safety process

1

### Identify

Locate all polycarbonate, FRP and translucent roof areas

2

### Inspect

Review sheet condition, supporting structure and surroundings

3

### Assess

Map maintenance routes and worker exposure

4

### Engineer

Design the protection layout for your roof profile

5

### Install

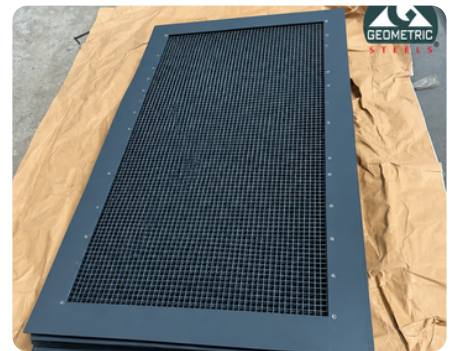
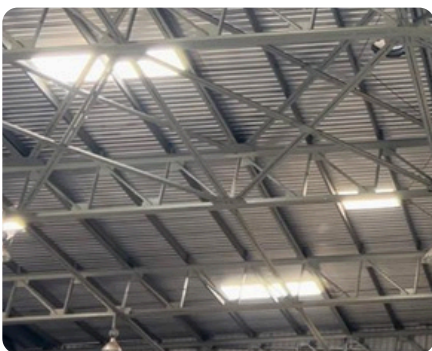
Fit the approved system, planned around your production

6

### Maintain

Include protection in periodic roof-safety inspections

## TRUSTED ON INDUSTRIAL ROOFS



FREE FRAGILE-ROOF SAFETY REVIEW

# DON'T WAIT FOR AN INCIDENT.



Get a free fragile-roof safety review.

## 3 simple steps

- 1** Send us roof photos, rooflight sizes and approximate count on WhatsApp **+91 9673399893**.
- 2** We share a protection layout and indicative quote within **3** working days.
- 3** Installation is planned around your production schedule.

## Information that helps us quote faster

### Site

Factory / project location

### Photos

Roof photographs showing rooflights

### Roof details

Roofing profile and sheet type

### Rooflights

Dimensions and approximate number

### Drawings

Roof drawings, if available

### Structure

Purlin / supporting details, where available

### Best time to act

Before monsoon roof repairs • Before solar installation or cleaning • Before your next EHS or customer audit

### GEOMETRIC STEELS ROLLFORMING PVT. LTD.

Industrial Roofing • Ventilation • Cladding • Roof Safety Solutions

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WHAT IS UNDER YOUR WORKER'S NEXT STEP?

*Protect the light. Protect the life.*