S1 · CEMENT-TREATED GRAVEL · LEAD SYSTEM

Light traffic in three days, trucks in seven, and no saw-cut joints

GRIDMATS®

1 Grid laid on the compacted base: RINAC, Mumbai, on OC-LW 40

2 Filled with cement-treated chips, compacted and brushed flush

3 Finished truck yard, moist-cured 3 days: RINAC, Mumbai, on OC-LW 40

3 days
to light traffic; trucks at 7

0
saw-cut joints or dowels

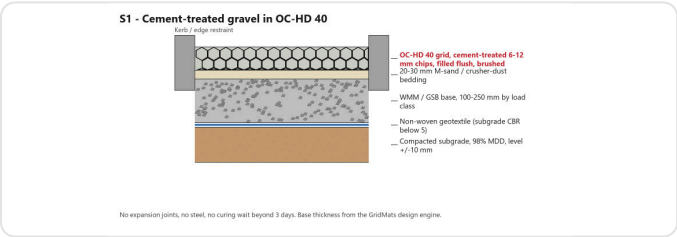
170 t/m²
lab compression test, empty OC-HD 40 panel

4.0–6.6 kg/m²
recycled plastic reused, OC-LW to OC-HD

Product cost: OC-HD 40 ₹84–107 per sq ft (₹900–1,150 per m²) for trucks · OC-LW 40 ₹51–64 per sq ft (₹550–690 per m²) for lighter traffic, by order size, ex-GST and ex-freight. **Installed range:** ₹130–177 per sq ft (₹1,400–1,900 per m²), indicative; it varies with local materials, labour, transport, base design and site. Every site is priced from its own design.

WHAT IT IS

The 40 mm GridMats® grid (OC-HD 40 for trucks, OC-LW 40 for lighter traffic), laid on a compacted base and filled with crushed 6–12 mm chips treated with 4–6% cement, plate-compacted and brushed flush. Kerb or edge restraint on both sides; U-nails one per 2–3 m² on roads and slopes, one per 10 m² on flat yards, extra on embankments, edges and cut lines.



WHERE IT FITS

Plant and factory roads · truck parking and marshalling yards · solar and wind park internal roads · fire lanes · container yards · township service roads.

WHY IT WINS

- **Built for trucks up to 49 t gross.** The base is designed from your traffic and soil to IRC:37; the empty OC-HD 40 panel carried 170 t/m² in the latest lab compression test.
- **No saw-cut joints, no dowels.** The cells arrest shrinkage cracks, so there is no joint cutting or sealing crew.
- **Light traffic in three days, not four weeks.** Moist-cured 3 days; trucks at 7 once the 7-day cubes reach 2 MPa.
- **Dust-free, repairable.** A hard grey surface; damaged cells are refilled, not cut out. Cement only in the 40 mm layer, at 4–6%.

RINAC India · Mumbai · cold chain · 2025
Cold-storage truck yard on OC-LW 40 with 6% cement-treated gravel, built in a shutdown window; in daily use under reefer trucks.

CHOOSE S1 WHEN

- Trucks every day, up to 49 t gross
- A hard, dust-free grey surface
- Light traffic in 3 days, trucks in 7

NOT IDEAL WHEN

- A fully permeable surface is needed: S2
- Asphalt (S5) or a concrete finish (S4) is specified

WHAT WE NEED FROM YOU

- Area (length × width or m²) and location
- Heaviest vehicle and vehicles a day
- Soil CBR, or the soil type
- The finish you want
- A site photo or layout drawing

Get your free estimate: an indicative price in a minute, then our engineers' design and BoQ.

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GRIDMATS®

GridMats Engineered Surface Systems · GroundReality Enterprises Pvt. Ltd., Bengaluru · Indian Patent 398992 · GreenPro certified · 100% recycled polypropylene