

STRONGER

CHEAPER

FASTER

GREENER

FASTER

GREENER

STRONGER

CHEAPER



# ACS TECHNOLOGIES



*Sustainable Hybrid Concrete Floor*

STRONGER

CHEAPER

FASTER

GREENER

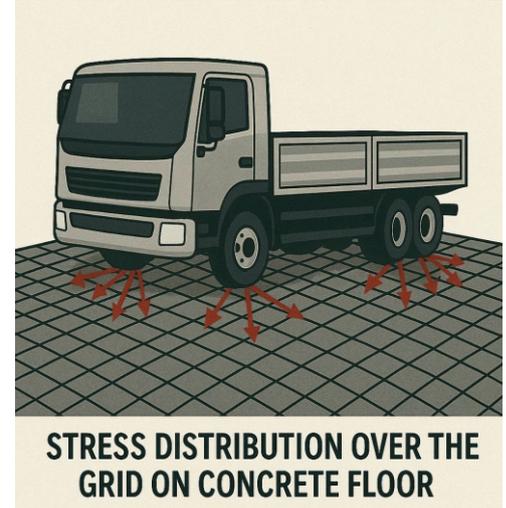
FASTER

GREENER

STRONGER

CHEAPER

# Sustainable Hybrid Concrete Floor



## Concrete pavements haven't changed in decades—Until Now

- ➔ Civil chemicals introduces a hybrid technology that combines the rigidity of concrete with the flexibility of engineered polymer grids. The result is a pavement that resists cracking, handles heavy traffic, and installs in a fraction of the time. Built with recycled materials, CC - Grid is as sustainable as it is strong.
- ➔ CC-Grid floor is the evolution of concrete surfaces—unitized, flexible, and visually uniform. Designed for modern spaces, high-load floors, and long-life pavements. A blend of engineering intelligence and environmental

### Why Engineers choose CC - Grid Floor

- Install over old surfaces or base layer
- No need for form work, rebar.
- Fast setting and low maintenance
- Ideal for high-traffic and industrial zones
- A smarter, safer, faster pavement upgrade.





**DECORATIVE  
FLOOR  
FINISH**



**40/50/60 MM  
HEAVY  
DUTY FLOOR**



**NO  
REINFORCEMENT**



**SUSTAINABLE  
PAYMENT**

### Why It Matters:

- ▶ **STRONGER** : M 60 concrete performance from a M30 mix.  
Hybrid rigid–flexible behaviour improves load distribution and reduces cracking.
- ▶ **FASTER** : CC Grid system clips together easily,  
Faster installation/shorter project timelines /higher productivity.
- ▶ **GREENER** : At just 40 mm thickness, the system significantly reduces concrete consumption.  
100% recycled plastic.Less concrete. Less carbon.

### Why It Matters:

Using less concrete lowers carbon emissions, conserves resources, improves air quality, and cuts construction costs—building a more sustainable future.

#### ▶ **New icon Stronger faster**

Built for Industries, farms, retail, mining, golf courses, car parks, walkways, ramps, and more.  
Back ground - 50-75% transparent grid and finished floor picture.

## CC - Grid Floor – SIMPLE INSTALLATION STEPS

### 1. LAY THE GRID

- Place the grid sheets on the ground.
- Press firmly on the clips so each sheet locks properly.

### 2. INSTALL EDGE SUPPORTS

- Fit CC grid edging on all exposed edges to keep concrete inside the cells.
- In areas where vehicles may drive off the edge, install steel wire as extra protection

### 3. FILL WITH CONCRETE

- Recommended mix:
- M30, 100–120 slump, 12mm aggregate.
- Use a rake to level concrete close to the top of the grid.
- Use a surface vibrating screed for a smooth, even pass.



**ACS**

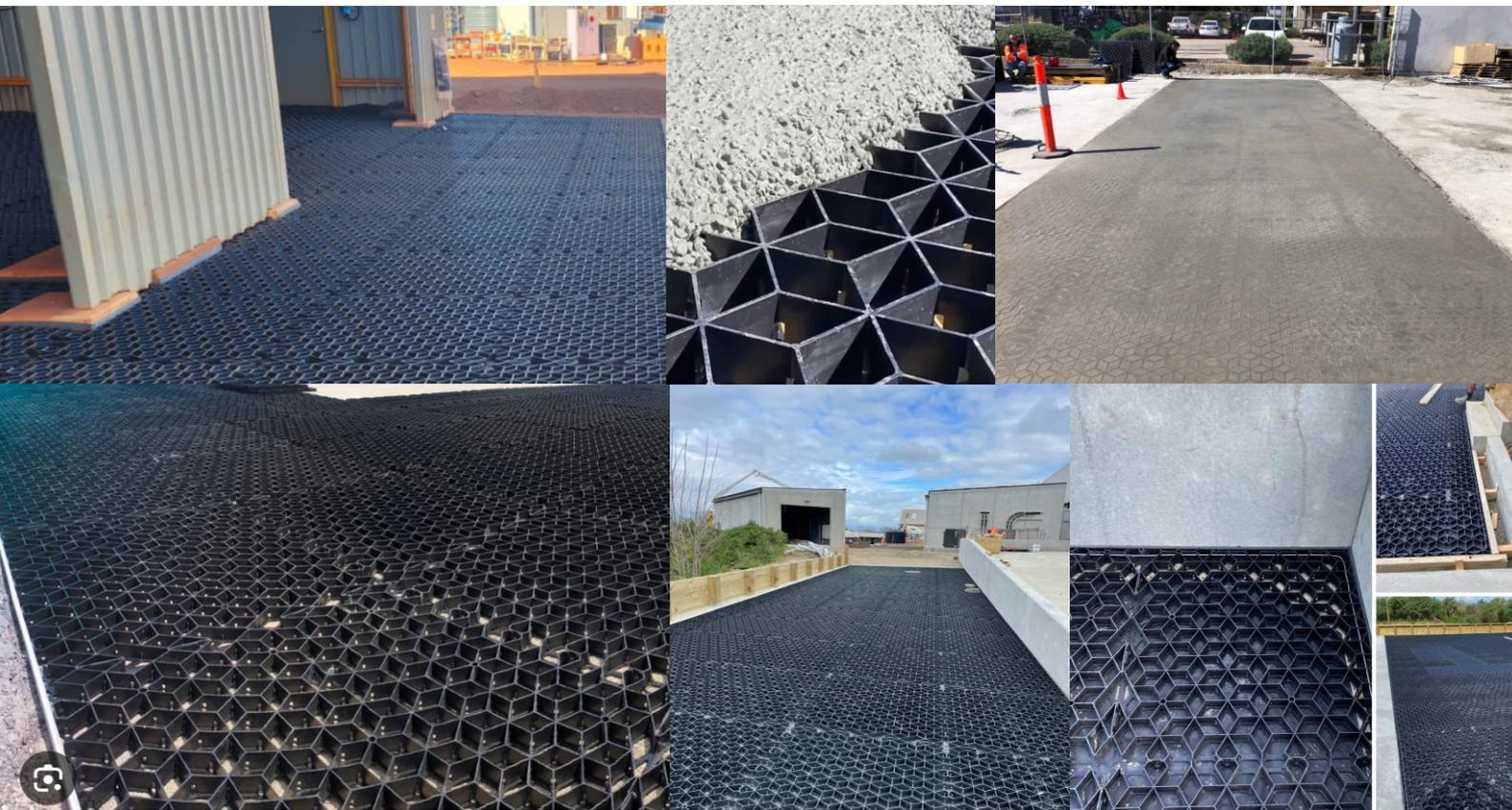


#### 4. FIRST FINISH

- After screeding, run a power trowel at slow speed with flat blades.
- Use a rubber squeegee to remove excess slurry and expose the top of the grid.

#### 5. FINAL FINISH

- Once bleed water disappears, do another slow pass with the trowel.
- When your thumb leaves only a slight mark, it is ready for the final finish.
- Blades should scrape lightly—if stones flick, they're too high.
- Use finishing aid not water, during finishing.



#### 6. CURING

Concrete must be cured properly:

##### Option 1: Pond Curing

- Build a sand bund around edges and flood the surface.
- Keep submerged for 3 days (best method).

##### Option 2: Curing Compound

- When walk able, spray a water-based curing compound over the surface.





## 7. DECORATIVE FINISH

### Exposed Grid Pattern

After the concrete has fully cured, the surface can be mechanically ground or polished to reveal the CC-grid pattern beneath the topping layer. This creates a decorative, geometric finish where the grid lines become visible, giving a modern and unique architectural look.

### How it Works

- The concrete within the grid is cured completely.
- A grinding or polishing machine is used to remove the top thin layer of concrete.
- As the surface is ground, the CC grid lines become exposed.
- This results in a uniform, patterned surface that acts as both a structural and aesthetic feature.

### Benefits

- Unique grid-pattern decorative flooring
- Strong, durable, and visually appealing
- Ideal for commercials

## ACS TECHNOLOGIES

### Our Websites

[www.acstech.co.in](http://www.acstech.co.in)

[www.concretepolishingchennai.com](http://www.concretepolishingchennai.com)

[www.laserflooringchennai.com](http://www.laserflooringchennai.com)

[www.chennaiepoxymflooring.com](http://www.chennaiepoxymflooring.com)

[www.industrialflooringchennai.com](http://www.industrialflooringchennai.com)

Materials Also Available In

Online Portal : [www.civilchemicals.com](http://www.civilchemicals.com)

Landline : 044- 22236611