

## Locations

Vikhroli • Ghatkopar • Dahisar • Thane • Navi Mumbai • Ambarnath • Pune

**TUFF**  
CONCRETE PRODUCTS



## Overview

The Construction Materials Business of Godrej Construction was established in the year 1997. We are one of the first concrete manufacturers in the country to have the certification for ISO: 9001, ISO: 14001 OHSAS: 18001 & QCI. We are also the first in the industry to bag accolades in CII-EXIM Business Excellence assessments. Godrej Construction is committed to delivering high quality concrete that always meets the customer's requirements

## Capabilities

Godrej Construction has state-of-the-art facilities with well-equipped Central Concrete Lab which enables us to adopt cutting edge concrete technologies and practices. Each RMC plant has a dedicated Quality Control Laboratory with quality control expert to monitor the QC of every batch of concrete being manufactured. Continual research & development exercises ensure availability of concrete products which incorporate latest technologies and are yet economical. The R&D Lab offers excellent opportunity to develop products such as ultra-high performance concrete, pervious concrete, decorative concrete which can be tailor made as per the customer's requirement.





XtraTuff gives you the power to reach unimaginable heights. It also allows you to reduce the dimensions of structural elements to increase floor space. It is developed using multiple blends of cementitious materials resulting in refinement of micro pore structure. XtraTuff has reduced water cement ratio and high compressive strength greater than 80 MPa.

#### Benefits

- Reduced column size
- Upto 10 % reduction in project costs as quantity of steel and concrete required is reduced
- Increased floor space
- Very dense, impervious and durable structures
- Early working strength/Stripping time

#### Applications

- Used in structures demanding thin sections of RCC beams and columns eg. in high rise towers
- Bridges
- Arch Dams



Special concrete engineered for high porosity that allows water from precipitation or other sources to percolate through the flooring.

#### Benefits

- Reduces run off and ensures recharge of ground water

#### Applications

- Pavements with low volume of traffic, residential roads, alleys, driveways, parking areas, sidewalks, pathways, tree grates in sidewalks etc



Produced using latest generation PCE based super plasticizers and viscosity modifying agents to give the product water like fluidity and stability to enable concreting in complex shapes and congested reinforcements.

#### Benefits

- High fluidity
- No external vibration required
- Flows into complex formwork with ease
- Achieves full compaction on its own
- Reduced risk of bleeding and segregation
- Low noise generation

#### Applications

- Congestion of reinforcement
- Slender/Complex structural members
- Architecturally demanding finishes



HiPerTuff delivers superior performance by giving you the freedom to use different combinations of strength, durability & workability as per your needs.

#### Benefits

- Flexibility to vary performance parameters like strength, durability and workability as per your preferences

#### Applications

- Recommended for high rise towers and infrastructure projects

## **FLEXI** **TUFF** Fibre Reinforced Concrete

FlexiTuff incorporates the use of different fibres like glass, steel and polypropylene to give you enhanced toughness and increased resistance to cracking.

### **Benefits**

- Increased toughness
- Reduced crack formation
- Improves impact resistance
- Increased tensile load carrying capacity
- Reduced thickness of floor slab

### **Applications**

- Industrial floors
- Pavements, overlays, beams and girders
- Roads
- Bridges
- Dams
- Spillways
- Security Structures/Installations

## **QUICK** **TUFF** Early Strength Concrete

QuickTuff is a fast setting concrete which gains significant strengths in just a few hours of casting.

### **Benefits**

- Rapid strength development
- Faster stripping times
- Earlier project completion

### **Applications**

- Concrete runway repairs and airport concrete resurfacing
- Industrial flooring
- Road repairs
- Factory flooring
- Machine bases
- Bridge strengthening

## **DENSO** **TUFF** High Density Concrete

DensoTuff is a speciality concrete used for niche applications like nuclear & X-ray radiation shielding and heavy weight requirements due to its high density in excess of 2500 kg/m<sup>3</sup>.

### **Benefits**

- Higher weight per unit volume for using as counter weights
- Very dense matrix which offers superior radiation shielding

### **Applications**

- Counter weight forms, X-ray rooms, Nuclear containment structures etc.

## **PAVE** **TUFF** Pavement Concrete

PaveTuff is specially designed for roads & pavements. This concrete has higher flexural strength as compared to ordinary concrete to enable it to have increased load carrying capacity and durability.

### **Benefits**

- Enhances the performance of roads/pavements under wet and extreme climatic conditions as compared to asphalt
- Slab thickness is considerably reduced due to higher flexural strength

### **Applications**

- Roads, Pavements



LightTuff is an engineered ultra light weight concrete which can be used for soil stabilization, course levelling & insulation.

**Benefits**

- Excellent heat and sound insulation along with better fire resistance
- Excellent workability and placeability

**Applications**

- Recommended for non load bearing structures such as architectural facing, levelling course in roofs, partition walls and structures of cold storage plants



ColourTuff enhances the aesthetics of your structure by using high quality UV resistant colour pigments. It is available in a variety of colours and shades as per your requirements.

**Benefits**

- Available in variety of aesthetically appealing rich shades as per customer requirements
- Retains true shades for a longer time
- Easy & Fast installation

**Applications**

- Facades, gangways, pathways for malls, hotels, gardens and even hospital & factories



ImpressTuff gives you the freedom to express your creativity by offering you the option to choose from a number of colours, shapes, patterns and textures.

**Benefits**

- Custom made designs as per your preferences
- Available in a number of patterns and textures
- High abrasion resistance with longer durability of paving surfaces

**Applications**

- Used in patios, walkways, horizontal exteriors, terraces, car parks and commercial spaces



RheoTuff is a flowable mix having workability between normal and self compacting concrete.

**Benefits**

- Improved Pumpability
- Ease of placement
- Lesser risk of segregation and voids

**Applications**

- Generally used in system formworks and difficult pumping conditions







BaseTuff is a concrete product which combines the benefits of concrete expertise and soil technology. It offers the flexibility of construction through typical soil compaction techniques yet offering strength at par with conventional concrete.

#### Benefits

- Concreting is easier as compared to conventional concrete
- Provides for faster project completion

#### Applications

Roads, Pavements and Dams



EnviroTuff is a fly ash/GGBS based concrete which is our contribution to the Godrej Group's vision of a greener India. Industrial byproducts are carefully blended to deliver highly durable eco-friendly concrete mixes which also help in improving your project's Green Building Rating.

#### Benefits

- Better Durability
- Green product as it incorporates recycled materials
- Better Workability
- Eco-friendly due to lower carbon footprint
- Economical
- Increases your structure's credit points for Green Building Certification

#### Applications

- Road works
- Embankments
- Dams
- Ports
- Dock yards
- Mass structures like rafts and footings



ThermoTuff is a chilled concrete which delivers superior performance in mass structures where thermal gradient within concrete becomes significant for durability. The temperature of concrete is controlled as per customer specification. It is produced using chilled water/ice flakes and other ingredients that bring down the temperature of concrete at the time of placing.

#### Benefits

- Core temperature is controlled to avoid thermal tensile crack formation

#### Applications

- Big Columns, Footings and Raft slabs
- Bridge piers and girders, raft, foundations
- Useful in extreme weather conditions
- Mass Concreting