



Fiber Reinforced  
**CONCRETE**  
Spacers/Cover blocks

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



**JAGRAON**  
**GLOBAL INDUSTRIES**

AN ISO 9001 : 2015 CERTIFIED COMPANY

## ABOUT US

The Company was estd in 1973 and is headed by eminent and efficient directors who have technical and professional expertise in this field. Ours is an enterprising organisation that has more than 45-years of experience in executing projects of supplying Precast concrete products. We have been able to scale a new height in the industry with our consistent efforts to achieve excellence in the entire business process.

Driven by technology, we are renowned manufacturer of wide range of precast cast concrete products in addition to **Fibre concrete spacers/Cover Blocks**, with state of art manufacturing facility in India. Being a customer focused organization, we work in close coordination with the clients to understand their requirements and accordingly offer them suitable solutions. We have a sole intention to build a superlative company upholding its excellence and reliability. Our professional attitude and dedication to quality has earned us an impeccable reputation in the industry.

Today, we have become the most preferred suppliers across various industries, colonizers, contractors and Govt. departments. we guarantee our customers for the products being delivered and best services. Our clients have always appreciated our efforts and have placed repeat orders as a testimony to our capabilities.

## QUALITY

Quality is the key factor that have enabled us to ride high on the strides of the success. Our quality assurance plan is laid according to set patterns of the industry

The different stages of quality control includes the following :

- Raw Material Inspection
- In Process Quality Control
- Final Inspection

## OUR STRENGTH

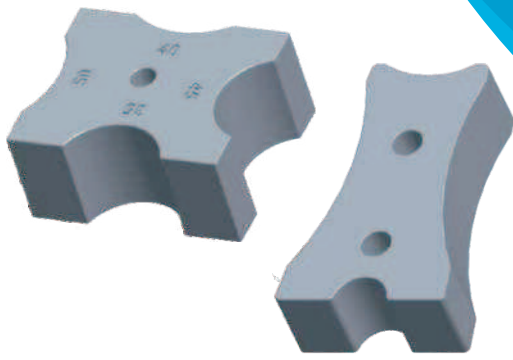
Our strength lies in serving our clients with utmost dedication and quality. We have expanded with a matchless pace as it is equipped with state-of-art infrastructure. We Offer excellent service at attractive prices to increase the productivity of our customers and fulfill the requirements of our

We have been able to “carve a niche” for ourselves due to the following reason:

- Large Clientele
- Prompt Delivery
- Quality Goods
- Reasonable Pricing

**IN NUTSHELL OUR COMPANY IS AN EMBODIMENT OF HONESTY,  
INTEGRITY AND HARD WORK.**

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## What are Concrete Spacers/cover blocks?

Concrete spacers are little concrete parts which are used to position the rebar on the right place with the right cover. These spacers are important for the optimum adhesion of the poured concrete. We developed fibre concrete spacers in various types, forms, measures and materials. Each spacer has his own unique quality and meets all the set quality standards.

## The main characteristics and features of concrete spacers are:

- ▶ Prevents corrosion and concrete deterioration
- ▶ Natural bonding with concrete
- ▶ Suitable for horizontal or vertical fixing of bars
- ▶ A similar co-efficient of expansion and contraction to that of poured concrete
- ▶ Made of high quality fibre concrete elements.
- ▶ Uniform size & shape.
- ▶ Cast in precision moulds to ensure the accurate dimension.
- ▶ Fire resistant
- ▶ High compressive strength
- ▶ Having uniform grip, Avoid displacement of rebar while pouring concrete
- ▶ Low water absorption.
- ▶ Cost Effective.
- ▶ No Wastage.
- ▶ Ready to use

## How Fibre Concrete Spacers/cover blocks Prevent concrete corrosion

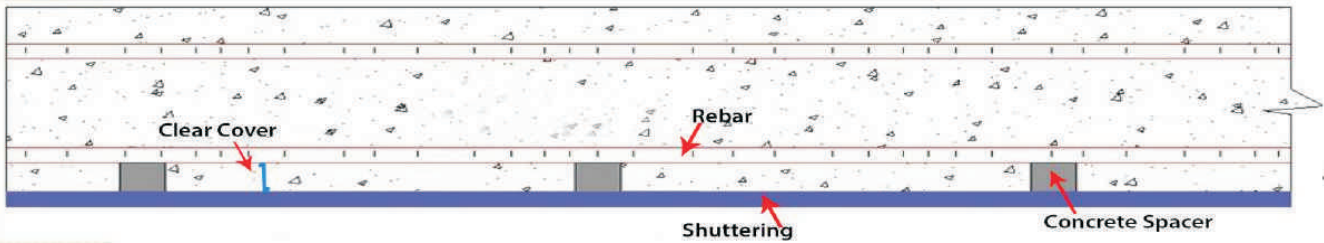
Proper concrete cover over the reinforcement protects the principal corrosion and concrete deterioration, Hence the integrity of the material for the proper concrete cover must be maintained. Our Fibre Concrete spacers are manufactured with high performance concrete to maintain the material integrity for proper cover and similar strength of the poured concrete. The concrete spacers enhance the durability of the reinforced concrete because of the high-performance concrete and developed shape and sizes required at time of pouring concrete. The Spacers are designed to minimize or eliminate conditions that could compromise the material integrity of the corrosion protective concrete cover over the reinforcement.

- ▶ Concrete spacers encourages bonding to the surrounding concrete. non-concrete and non-bonding bar supports, even if rust free, can provide ingress path for chlorides/air at the interface with the surrounding concrete.
- ▶ Concrete spacers are shaped and designed for complete embedment and minimal visual effect on finished surfaces.
- ▶ Concrete spacers helps in achieving proper position of the rebar for proper cover. Low absorption and permeability to air and chlorides.
- ▶ Longer resistant to chemical attacks than substitutes.
- ▶ High electric resistivity reduces corrosion rates.



## Why Do We Need to Maintain Clear Cover in RCC?

- ➔ To give rebar sufficient embedding to enable them to be stressed without slipping.
- ➔ To protect the steel reinforcement Bar from environmental effects to prevent their corrosion.
- ➔ To provide thermal insulation, which protects the rebar from fire.



## Concrete spacers



Concrete spacers and bar supports are made of the same material as the poured concrete, so thermal expansion and contraction are equal. And because they are the same material, the concrete and spacers will bond. No gaps!

Concrete spacers and bar supports help maintain material integrity and uniformity of the concrete, and provide a cover over the reinforcement that protects against corrosion












### TECHNICAL SPECIFICATIONS

Compressive Strength	Not less than M60
Water Absorption	0.45%
Rapid Chloride Penetration Test	Very Low
Sulphate Content	0.23% by mass of cement
Chloride Content	0.12 kg/cubic meter
Water Penetration	0.67mm
Chloride Migration Coefficient	$2.2 \times 10^{-12}$ sqm/sec
Alkali Silica Reactivity	Harmless
Salt Content	0.00%

KINDLY NOTE:-

**MIX DESIGN OF THE COVER BLOCKS PRODUCES AT JAGRAON GLOBAL INDUSTRIES IS MINIMUM 60 N/mm<sup>2</sup> AT 28 DAYS OF CURING**



PRODUCT	PRODUCT CODE	COVER SIZE (MM)	PACKING PER BAG (NO.s)
	JGI20	20	1000
	JGI25	25	700
	JGI30	30	700
	JGI2025	20,25	800
	JGI3040	30/30/40	250
	JGI3550	35/40/45/50	200
	JGIH50	50	100
	JGI75	75	75
	JGI100	100	75
	JGI2050	20/25/40/50	200
	JGIC30	30	150
	JGIC40	40	100
	JGIC50	50	50

Mix design used shall have a minimum compressive strength of 60 n/mm at 28 days



# JAGRAON GLOBAL INDUSTRIES

( ISO 9001:2015 ) CERTIFIED COMPANY / STAR RATED EXPORT HOUSE OF INDIA



## CONTACT INFO

**Address :** BXXIX-536/6-B/2, Singla Cycle Road, Opp. Dhandari Railway Station  
G.T. Road, Ludhiana-141010, Punjab, India.

**Mobile :** +91-85670-77777

**E-mail :** [jagraonglobal@gmail.com](mailto:jagraonglobal@gmail.com) | **Website :** [www.jagraonglobal.com](http://www.jagraonglobal.com)