

TECHNICAL DATA SHEET FOR NOVACRETE SPACERS (COVER BLOCKS)



Description Concrete Spacer Blocks provide a comprehensive range of sizes giving single/double and triple cover spacing. Used to ensure specified concrete cover during concrete placement.

Advantages

- Fibre reinforced
- Consistent strength
- Provide specific height for steel formwork
- Prevents sagging of rebars by providing strong support
- Excellent bond with concrete (same material properties as the structural concrete)
- M60 grade concrete. No weak spots in the structure
- Flat base of the block gives strong untilted support
- Quick and easy installation
- Holes provided for each and every block for inserting binding wire for proper tying with steel bars
- Fire resistant.

Typical data

Appearance - Grey solid block

Flash point - Nil

Voc content - Nil

Dimensional Tolerance <5%

Compressive Strength >60N/mm²

Usage - 4 per m²

Storage

Store in supplied PP laminated bags off ground e.g Pallets. Avoid frost and contact with acids.



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Health & Safety

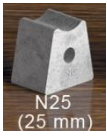
Avoid contact with skin.

Wear protective clothing and gloves

If cutting/sawing wear eye protection.

Refer to Material Safety Data Sheet.

Product Details and packing

Size mm		Avg.Weight kg	Nos in 1 kg	Kg per bag (approx.)	Nos in 1 bag
20	 N20 (20 mm)	0.022	45.5	22.0	1000
25	 N25 (25 mm)	0.036	27.8	25.2	700
20/25	 N2025 (20-25 mm)	0.032	31.3	22.4	700
30/40	 N3040 (30-40 mm)	0.081	12.3	24.3	300
50	 N50 (50 mm)	0.102	9.8	20.4	200
30		0.046	21.7	25.3	550
75		0.248	4	24.8	100
202530		0.036	27.8	18	500
35404550		0.097	10.3	19.4	200

Technical characteristics

Characteristics	Value	Unit
Concrete cover	20-50	mm
Loading capacity	6000-22000	N
Compressive Strength	60	N/mm ²
Water Absorption	0.45%	
Water Penetration	0.7	mm
Density	2000 – 2100	kg/m ³
Fire grading class	F30 – F180	not flammable
Permitted tolerances	±1	mm
Permitted deformations	<1	mm
Rapid chloride penetration test	Very low	
Chloride content	0.12	Kg/m ³
Sulphate content	0.23%	By mass of cement
Alkali Aggregate Reactivity	Harmless	

Content

- 53 grade OPC Ultratech cement
- GGBS (Ground Granulated Blast Furnace Slag)
- PP fibre (Reliance recron 3S) or equivalent
- Manufactured sand (0-3mm)
- 6mm aggregates (3-6mm)
- Admixture (silicon based accelerator and super plasticiser)
- Water

Quality Assurance

Cover blocks are manufactured from our state of the art factory in Pissurlem Industrial Estate Goa.

Concrete Grade: M60

Aggregate size: max 3mm

Reinforcement: PP Fibre (secondary)

Breaking Load: (Applicable for Single as well as Multi Spacers)

Cover	Failure load N	Max. permissible rebar Dia (mm)
20mm	4000	18
25mm	4200	18
30mm	4800	30
35mm	5200	30
40mm	5800	30
45mm	6000	30
50mm	7800	40
75mm	12800	40

Manufactured as per H BS 7973 – 1:2001

Each of our products is dimensionally accurate and can withstand the steel framework load without failure.

Test Certificates

Third party test certificates from reputed labs can be provided upon request.