

Superb Strength



Strong, Light weight, Autoclaved

NCL
AAC BLOCKS



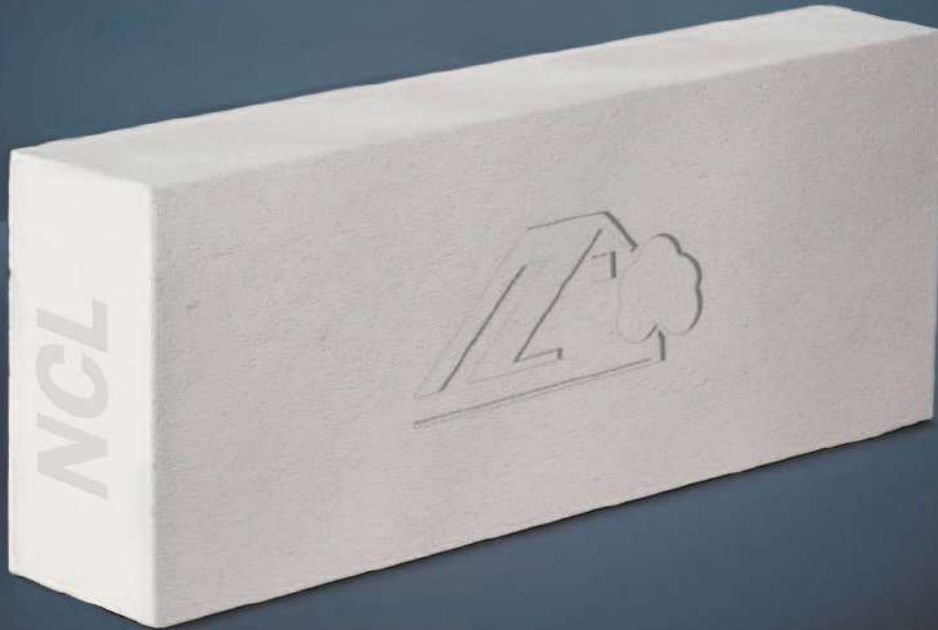
Self Curing

NCL
DRY-MIX MORTARS



BUILD SMART. LIVE HAPPY

For speedy construction use NCL AAC Blocks



- Light weight
- Eco-friendly
- Consistent Quality
- Good insulation from heat & sound
- Made of Nagarjuna Cement

NCL AAC BLOCKS

TECHNICAL DATA	
Compressive Strength (N/mm ²)	4.0
Dry Density (Oven Dry - kg/m ³)	550 - 650
Sound Reduction (db)	38 - 50
Thermal Conductivity (W/(m·K))	As per IS:2185
Fire Resistance (in Hr.s)	4 to 6

SAVINGS ON OVERALL PROJECT COST

- On jointing & plastering mortars
- On steel by 20 -25% & concrete by 10%
- On labour & transportation cost
- On project implementation time

INSULATION

- Superior Thermal Insulation that reduce load on air-conditioning
- Superior Sound insulation with an STC rating of 44

WORKABILITY

- Easy to lay
- Can be cut into any size / shape easily

GREEN BUILDING PRODUCT

- Conserves Top soil
- 6 to 7 LEED green building points

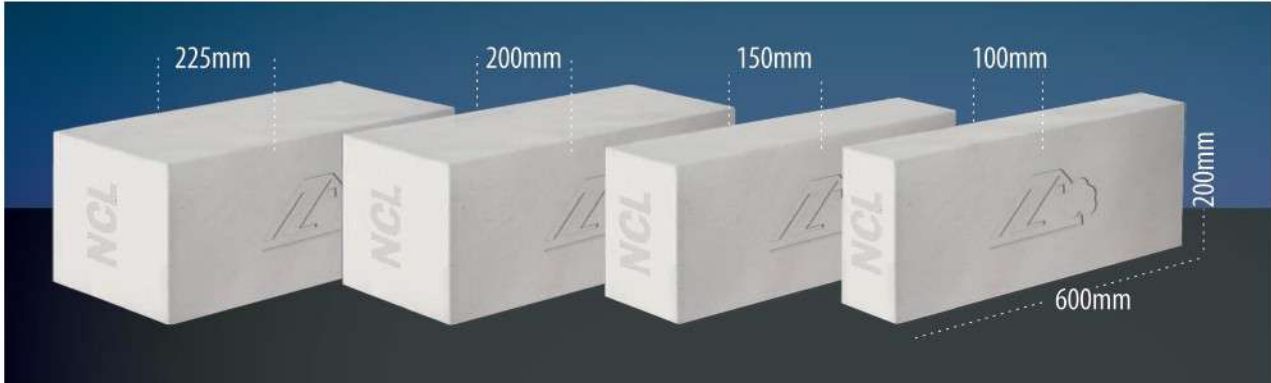


Length	Height	Thicknesses
600 mm	200 mm	100/ 150/ 200/ 225 mm
Precision in size		As per IS:2185

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Technical Data

Nominal Face Size (mm)	600 X 200
Compressive Strength (N/mm ²)	4.0 - 5.0
Dry Density (Oven Dry - kg/m ³)	550 - 650
Sound Reduction (db)	38 - 50
Thermal Conductivity K(w/m ⁰ C)	As per IS:2185
Fire Resistance (in Hr.s)	4 to 6



50% savings with NCL Masonry Glue 110

Mortar Cost comparison for AAC Block wall of 600X200X100 (4")					
	Cement	Sand	Mortar Cost (1:4 Mix)	Coverage	Cost/sft.
Conventional Mortar	351	528	879	128 sft.	6.86
NCL Masonry Glue 110	–	–	420	128 sft.	3.28
Savings					3.58

Above savings do not include: Savings on labour cost, water requirements and wastages.

Data provided on this sheet is based on our product knowledge and experience. However applications are beyond our control and the company in no way can stand guarantee. Customers must carry out their tests at site to evaluate product suitability for their applications. For any further assistance the customers are welcome to contact our team for product guidance.



For Quality & Speed

- Factory produced cement based, pre-mixed mortars with high quality polymers & additives.
- Only water need to be added at site.
- No need to procure/ store individual materials like sand, cement etc.
- Facilitates more productivity with reduced labour.

- Speedy construction
- Clean site environment
- Simple application
- Works out economical
- Reduced labour
- No wastages

NCL MASONRY GLUE 110

SELF CURING JOINTING MORTAR

Premium quality jointing mortar for all masonry work for quick and secure laying of Fly-Ash Bricks and Blocks. NCL Masonry Glue 110 is a grey cement based thin coat adhesive for binding AAC, CLC, Solid cement blocks & Fly-ash bricks, having good compressive strength and excellent surface adhesion.

Other Features: No water curing is required after application. Dressing of joints not required before plastering. Very economical as the jointing material quantity is far less than traditional joint mortar.

Material Preparation : Take clean water in the ratio of 165 ml /kg of NCL Masonry Glue 110 in a mechanical mixer or in to a deep tub. While using electric mixer with a whisk, add NCL Masonry Glue slowly and continue mixing for 3 min. Allow the mixer to stand for 5 min and remix again. Add required additional water to get workability and remix.

Application : Application is simple with a notched trowel. Uniform bed is made before fixing the block for even surface contact.

Coverage / 40kg : Approx. 100 sft. for 4" blocks, 60 sft. for 6" blocks and 48 sft. for 8" blocks at 4 to 6 mm thickness.



TECHNICAL DATA

- | | |
|---|-----------------|
| 1. Hard Dry | : 24 Hrs |
| 2. Pot Life | : 60 mins |
| 3. Open Time | : 20 to 30 mins |
| 4. Compressive strength @ 28 Days (mpa) | : Meets IS 2250 |



Packaging : 40kg HDPE Bags
Shelf life : 12 Months
Storage : Dry & covered place

NCL RENDER 608-HP

SELF CURING PLASTERING MORTAR

Premium quality premixed grey cement based plastering mortar for concrete and block wall plastering. Economical as coating thickness can be reduced to 10 to 12mm. Handling wastage will be minimum.

Material Preparation : Take clean water in the ratio of 175 ml /kg of NCL Render 608 in a mechanical mixer or in to a deep tub. While using electric mixer with a whisk, add NCL Render slowly and continue mixing for 3 min. Allow the mixer to stand for 5 min and remix again. Add required additional water to get workability and remix.

Application : Apply the mix over the surface with a trowel. Level the surface using long box profile. Collect & reuse the material drawn while leveling. Smoothen the surface with trowel.

Coverage : Approx. 20 sft / 40kg at an average thickness of 10 to 12 mm.

Packaging : 40kg HDPE Bags • **Shelf life :** 12 Months • **Storage :** Dry & covered place

suitable for both new & repairs like electrical/ plumbing line coverings patch works



Method of Constructing AAC Block Wall and Precautions to be taken

Strong, Light weight, Autoclaved

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Self Curing


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BUILD SMART. LIVE HAPPY

Method of Constructing AAC Block Wall & Precautions to be taken

1



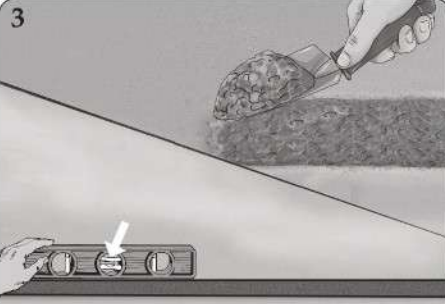
Stack blocks on flat surface. Always use dry blocks.

2



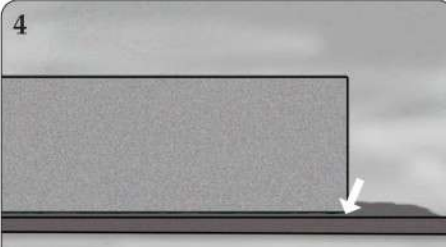
Clean the surface of blocks using brush or dipping in water at whisk

3



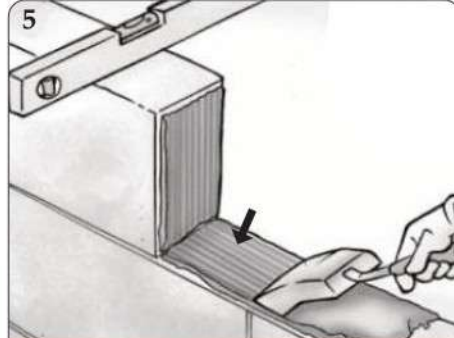
Lay '0' level bed on floor to cover undulations on floor using sand cement mix.

4



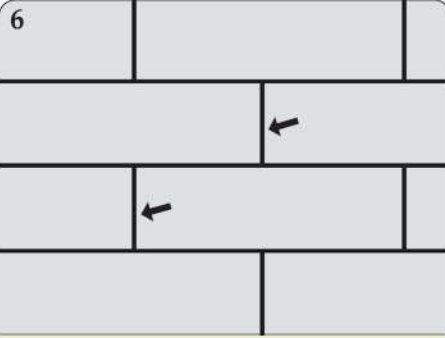
After bed sets well, start the wall construction by applying NCL mortar for 3-5mm using tooth blade. If you are using ordinary mortar maintain 10-12 mm.

5



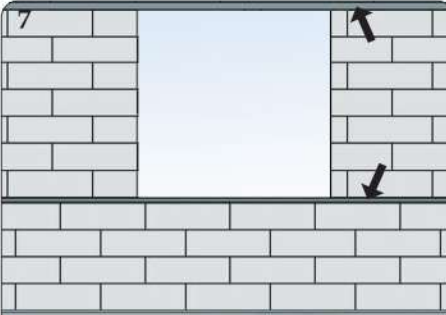
Lay blocks on the bed in line and complete the wall construction.

6



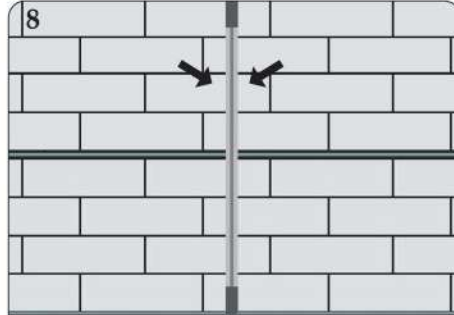
Vertical joints should not be aligned.

7



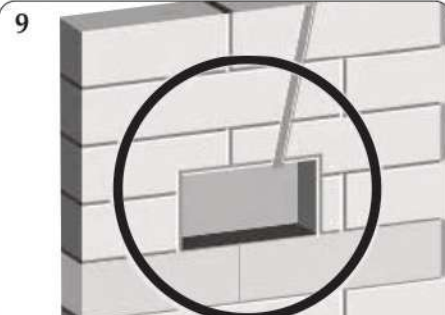
For every 4 rows, coping beam to be constructed using 6/8 mm steel and lintel above window.

8



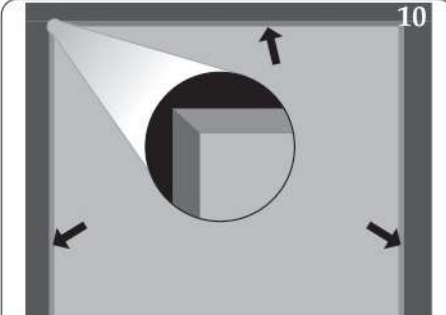
For long walls, column has to be constructed at every 10 feet.

9



Use Power tools to make grooves for electrical wiring & pipes.

10



After plastering, make 1cm groove on top and both sides before plaster sets.

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AAC BLOCKS

Contact : +91 9600969971



TECHNICAL DATA

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AAC BLOCKS



Self Curing

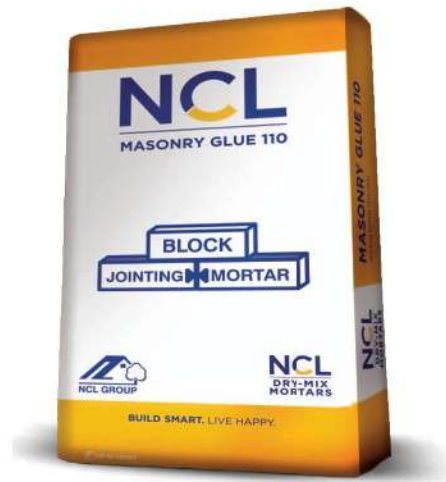
NCL
DRY-MIX MORTARS



BUILD SMART. LIVE HAPPY



NCL MASONRY GLUE 110
SELF CURING **JOINTING** MORTAR



ncl Masonry Glue 110 is a grey cement based thin coat adhesive for binding the Autoclaved Aerated Concrete (AAC Blocks), Cellular Light weight Concrete (CLC Blocks), Solid Cement blocks & Fly-Ash bricks. ncl Masonry Glue 110 is a high quality factory premixed material having good compressive strength & excellent surface adhesion.

This product is long lasting and also has strong bonding which is specially designed to reduce the impact of environment, it also improves the energy efficiency and the coating of maintenance as the product is long lasting. It also maximize the life of infer structure.

Material Mixing:

- Measure 7 Kgs of clean water.
- Pour some water from the measured quantity into a deep container and empty 40 kg ncl Masonry glue 110 slowly while mixing with mechanical stirrer.
- Add balance water and continue mixing.
- Leave the mixer for 5 min and remix again.

Application:

- Apply the mixture over the horizontal and vertical surface of the block
- Draw the notched blade vertically and horizontally on the applied mixture to make uniform bed.
- Apply sufficient pressure to maintain contact between blocks
- Check with spirit level often.
- The masonry glue gets air dried.
- Curing not required.

Packaing : 40kg HDPE Bags
Shelf life : 12 Months
Storage : Dry & covered place

NCL RENDER 608-HP

SELF CURING PLASTERING MORTAR

Salient Features

- Premixed at Factory
- Simple application
- Excellent surface adhesion
- Very economical
- Easy mixing & application

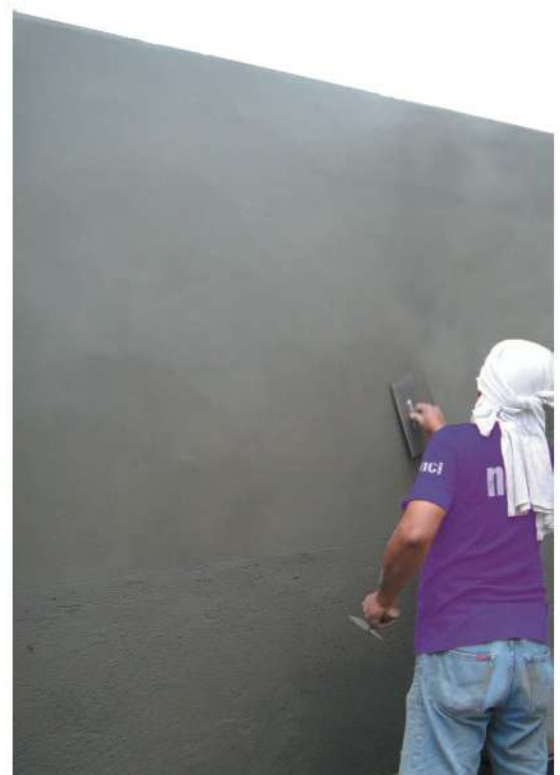
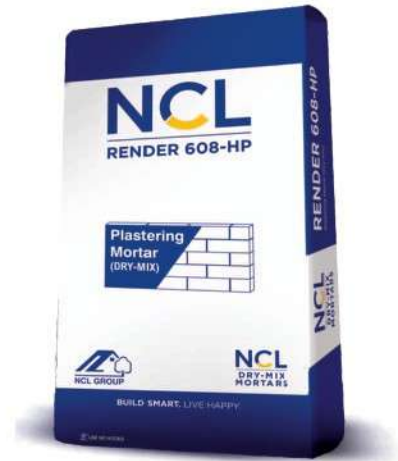
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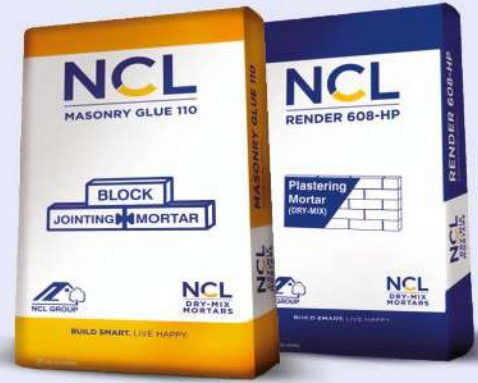
Packaing : 40kg HDPE Bags
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Storage : Dry & covered place





free up

from shortages



PRODUCT DATA CHART - NCL Pre-mixed Dry Cement Mortars

	NCL Masonry Glue 110	NCL Render 608
Product form	Pre-mixed Dry Mortar	Pre-mixed Dry Mortar
Colour	Grey	Grey
Water Mixing Ratio	165ml per 1kg	175ml per 1kg
Setting Time	24 Hrs	24 Hrs
Pot life Approximately	2 Hrs	2 Hrs
Curing	Not Required	Not Required
Coverage	Approx. 100sft./40 kg with 4" AAC Blocks	Approx. 20 sft/40 kg at 10mm thickness
Packaging	40 kg HDPE sack	40 kg HDPE sack
Storage	Dry, Covered area	Dry, Covered area

Coverage may vary based on the surface conditions. Our recommendations are based on extensive research as well as practical experience. Results cannot be guaranteed where the actual application work is beyond our control. Customers must carry out their own investigations and test the suitability of our materials for their intended purposes. For any additional information, please consult our technical marketing department.

For More Details :

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