9. Continue install wall panels until the gap can be closed by the end panel

10. Measure the gap and cut the last panel to fit in then install it in place.

11. Fill the gap under the panels with sand-cement mortar.

12. Fill all gaps between each panel with thin-bed mortar, wait until the mortar dry then rub with sandpaper #400.

13. Finishing all gaps again with skim coat then rub with sandpaper #200.

14. Finish ZMARTBUILD WALL PANEL Installation

Cautions

- Use for installing wall panel only. Please follow the steps in installation guide. Do not use wall panel as load bearing structure.
- Do not eat or breathe dust from cutting the product.
- ZMARTBUILD WALL PANEL are designed and instructed to use for wall partition only.

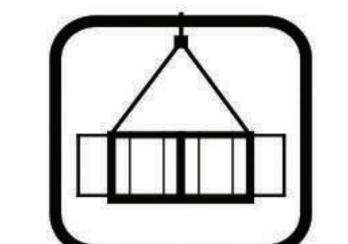# SAFETY FIRST

ZMARTBUILD Wall Panel BY NXTBLOC

CAUTIONS — ZMARTBUILD WALL PANEL

To transfer panels

Move the pallet by using a hand lift or a forklift and check the packaging before moving.
- ☑ Pallet strap is tight
- ☑ Pallets must be in good condition.
- ☑ Move one pallet at a time.
- ☑ Do not move the pallet on a rough area or on areas with a slope higher than 36 degrees as it is a fall-risk.

Move the pallet by using a crane and check the packaging before moving.
- ☑ Pallet strap is tight
- ☑ Pallets must be in good condition.
- ☑ Move one pallet at a time.

Move the pallet by hand.
- ☑ Beware of objects that you could trip on and check if the panels are sturdy.
- ☑ Lift the product in the right manner in order to avoid muscle injuries.
- ☑ At least two people are required to lift the panel.
- ☑ Handle the product with care. Rough handling could lead to damage and injuries.
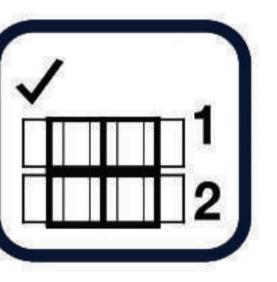
Installation procedures

At least two people are required to install the ZMARTBUILD WALL PANEL. Study and follow the technical installation manual.

Storage

Avoid keeping the products outdoors for over 30 days to prevent any damage caused by humidity and weather.
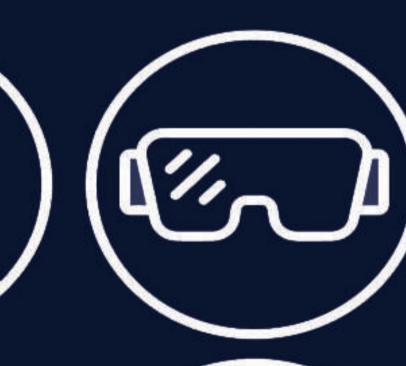
Do not stack more than two packs. Maintain a height lesser than 1.7 m.

SAFETY

Wear standard personal protective equipment (PPE) e.g. dust mask, safety glasses, safety work clothes, work gloves, safety shoes and helmet.
If dust gets in your eyes, don't rub your eyes. Rinse with water several times. If the irritation persists, get medical advice/attention.

How to use

The wall panel is suitable to be used for non-load bearing walls for both external and internal walls. Install the wall panel by using specific tools and equipment for autoclaved lightweight concrete only.
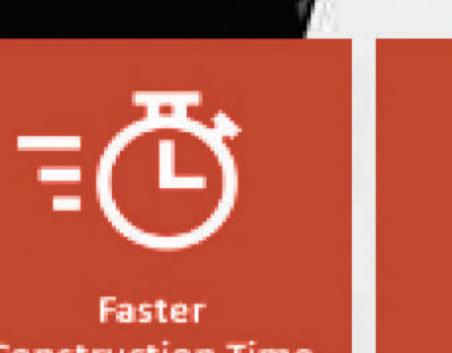
Product Description

ZMARTBUILD WALL PANEL is an autoclaved lightweight concrete with reinforced steel. The steel is coated with rust protection.

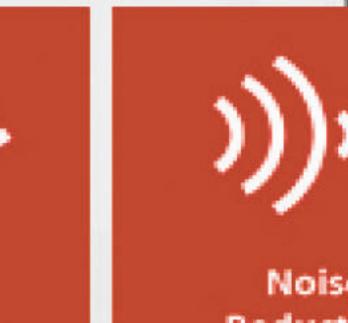
ZMARTBUILD Wall Panel BY NXTBLOC

ZMARTBUILD WALL PANEL
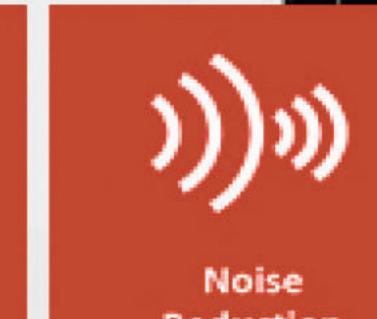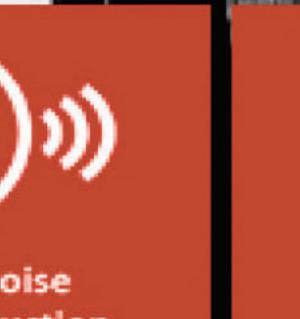
- Lightweight and Easy to Work
- Fast Installation and Clean Site
- Thermal, Sound and Fire Resistance
- Environment-Friendly and Energy-Saving

Faster Construction Time
Fire Resistance
Noise Reduction
Energy Efficient
Innovation in Building
High Eco-Friendly Value

ZMARTBUILD WALL PANEL

ZMARTBUILD WALL PANEL are lightweight and steel-reinforced with tongue & groove panels which can be easily installed by normal on-site installers. They are suitable for both internal and external non-load bearing walls.

▶ Non-combustible & Fire resistance up to four hours

▶ Outstanding thermal and acoustic insulation qualities that increase the level of comfort and save energy

▶ General installers can install ZMARTBUILD WALL PANEL at a rate more than 30 sq.m. with 3 installers, per day

▶ Steel reinforcements provide additional flexural strength, avoid deflection and any buckling effect to the wall

Product Specification

Specification	Report	Unit
Dry Density	550-650	kg/m3
Working Density	600-700	kg/m3
Wind Load	Up to 180	kg/m2
Compressive Strength	>4	N/mm2
Water Absorption	<33%	By mass

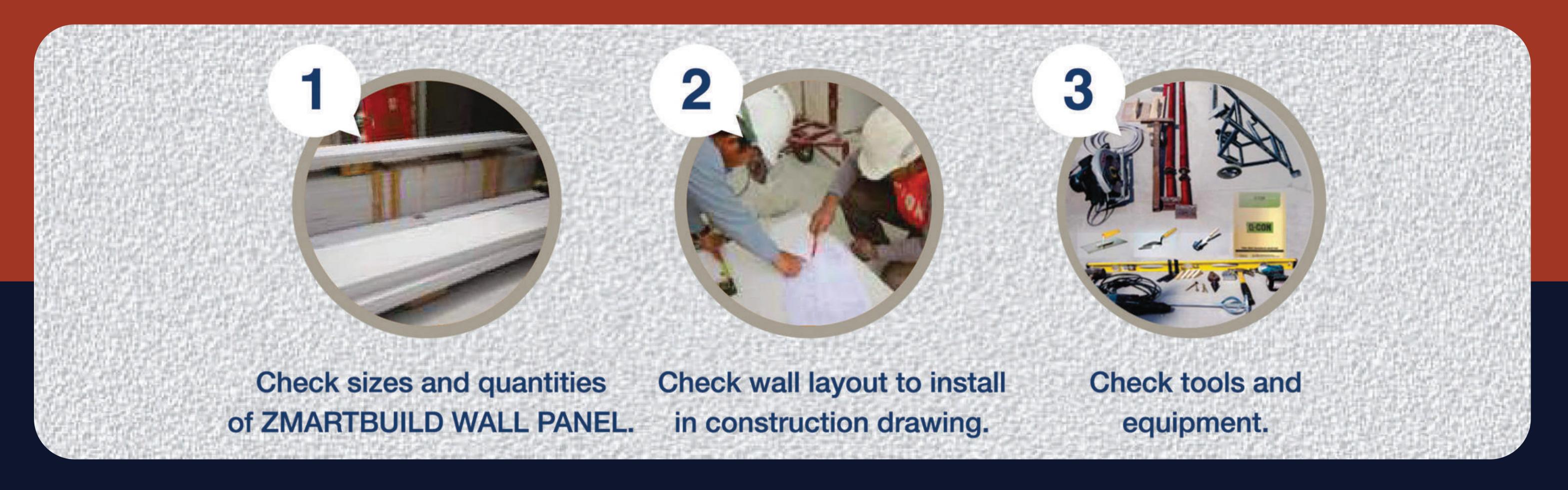| Testing	Report	Unit
Fire Resistance	*Up to 4	Hr.
Thermal Conductivity	0.16	W/m.K
STC Rating	38-43	dB
Reinforce steel tensile strength	>500	N/mm2
Weight	*70	kg/m2

*100 mm. thickness wall panel

PACKAGE SIZE

ZMARTBUILD WALL PANEL are steel reinforced and start from 75 mm. thickness, in lengths of 1.50 m to 4.0 m and width of 600 mm.

TABLE OF SIZE, WEIGHT AND PACKAGING

Size TxWxL (mm.)	Weight Kg/m2	Packaging TxWxL (mm.)
75x600x3000	53	10
100x600x3000	70	7

PRE-INSTALLATION

1 Check sizes and quantities of ZMARTBUILD WALL PANEL.

2 Check wall layout to install in construction drawing.

3 Check tools and equipment.

HOW TO INSTALL

1. Clean and mark the wall alignment by using a chalk tape.
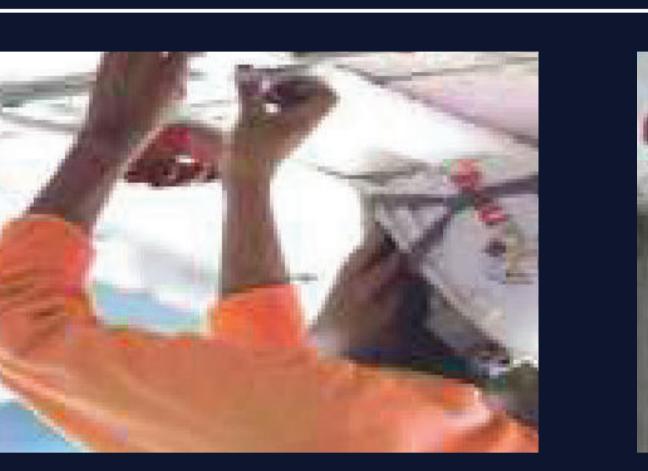
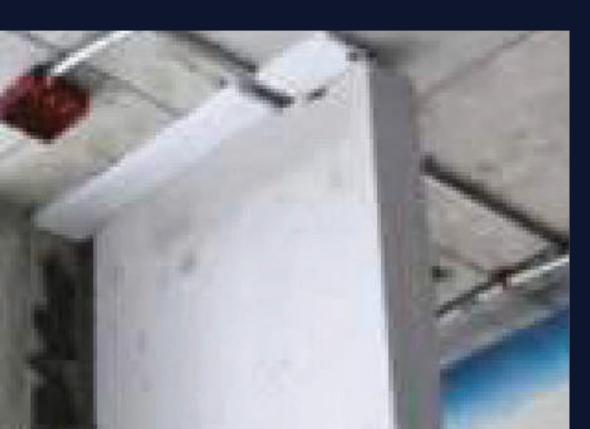2. Clean ZMARTBUILD WALL PANEL and move to the marked point.

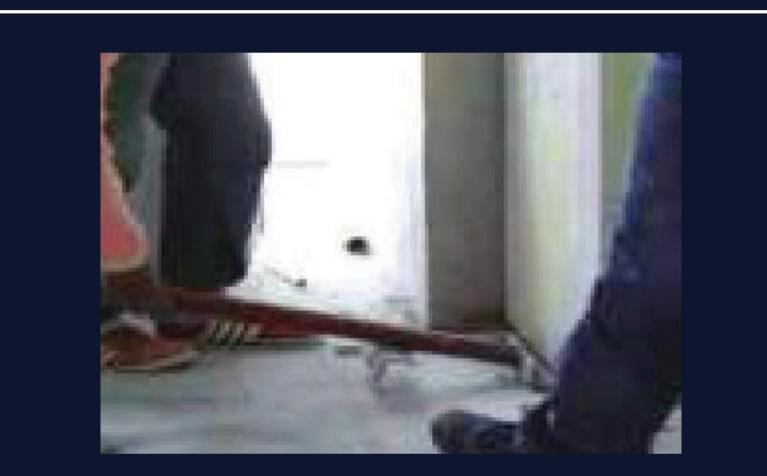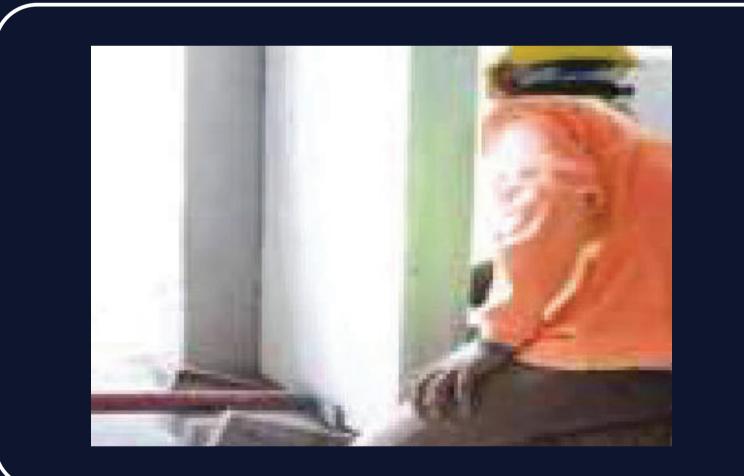3. Mix thin-bed mortar and apply it on structure column.

4. Lift the wall panel and push it to attach the column.

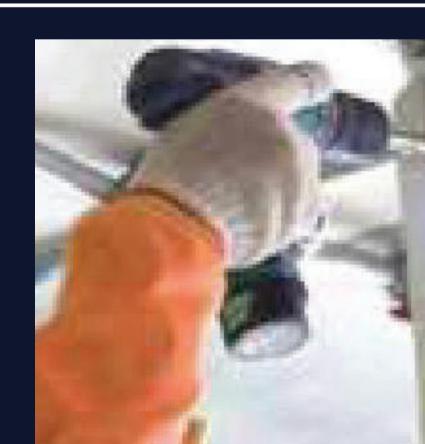5. Insert a foam sheet between floor and top of the panel.

6. Use lever to lift ZMARTBUILD WALL PANEL until top of the panel reach the upper floor then insert a wood wedge under the panel.

7. Use steel angle to fasten the panel with floors on both upper and lower side of the panel by using steel plugs and screws.

8. Apply thin-bed mortar on side of the first panel then lift the next wall panel to attach and do the same as the previous steps.