
UNIVERSAL
brick systems, inc.

THE LEADER IN THIN BRICK SYSTEMS

The
LOXON
Panel



ABOUT THE COVER

More than 300,000sf of the **LOXON** Thin Brick Panel System was installed over masonry walls at Fort Bliss, TX. When the installation was nearing completion, the job superintendent called Universal saying we have a problem which was identified as, "We can't get the brick off".

The Army Corp of Engineers chose to seal the brick and when one five gallon pail was from a tinted batch, 900sf of brick were discolored. The foreman told his crew to "pop the brick off" so it could be replaced. It quickly became apparent that the brick locking feature of the **LOXON** metal panel does not allow the brick to simply "pop off". The only solution was to break the brick loose with hammers which then damaged the **LOXON** panels. Removing the panels then required that the fastener heads be cut off.

The Army Corps of Engineers discovered that **LOXON** Panels do indeed "Lock On".



Unique Application

Unique needs can be met with the **LOXON** System. Even though the **LOXON** Thin Brick System is normally used on buildings, this photo shows that other opportunities exist and as the saying goes, "A picture is worth a 1,000 words".



Creative Detailing

LOXON offers opportunities for distinctive detailing by transforming the ordinary into extraordinary. When remodeling this chain restaurant, adding the circle window, made a statement of being unique and inviting.



Residential Remodeling

LOXON Panels were chosen by this home owner. It's well known that brick increases a home's value. The addition of Thin Brick gave this home a rich, traditional appearance which is virtually maintenance free.



Artistic Design

LOXON offers plenty of room for creativity as shown above. Using a combination of products, unique ideas are easily achieved with the **LOXON** Thin Brick System.

THE LOXON PANEL FEATURES:

STIFFENING CHANNELS

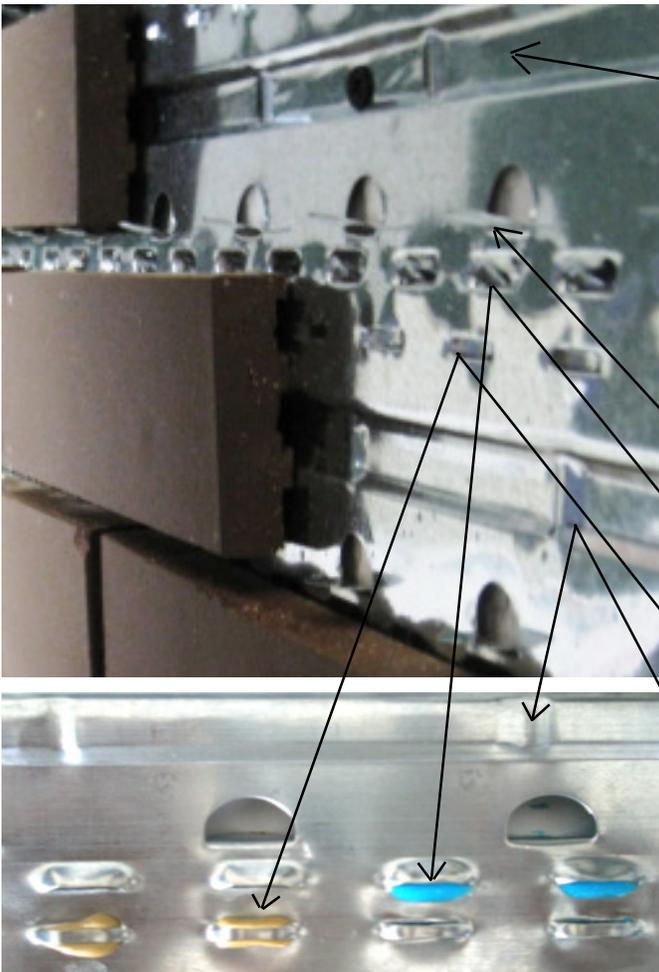
- They provide necessary rigidity to diminish “oil canning” which can eventually break an adhesives bond.
- They hold the panel away from the substrate creating an air space which is essential in the removal of moisture.
- They provide a recessed cavity so the heads of the fasteners don’t interfere with the brick faces staying flush.

BRICK SUPPORTS Support the brick and align the bed joints.

NEW MORTAR LOCKS allow the mortar to penetrate through the panel insuring “permanent” mechanical locking.

ADHESIVE LOCKS provide mechanical attachment of the adhesive to the **LOXON** metal panel. **LOXON** panels never depend on the limited life span of glue.

NEW WATER DRAINAGE FEATURE creates a staggered drainage path which eliminates any chance of water being trapped between the metal and the substrate. Rusting will occur with the presence of moisture.



BACK OF THE **LOXON** PANEL

The **LOXON** Process

1. Fasten the **LOXON** panels thru the substrate into studs or masonry.

2. Apply pencil size adhesive beads “over” the adhesive locks.

3. Place brick on the brick supports and push the adhesive thru the **LOXON** panel.

4. Apply mortar in the joints with grout bag.

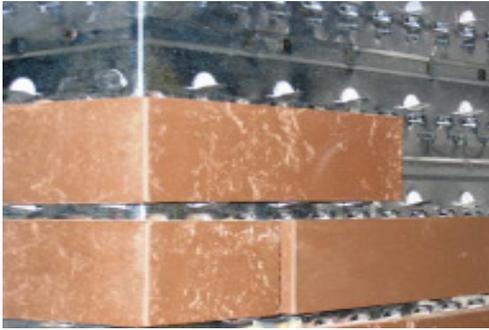
5. Strike mortar joints for desired finish.



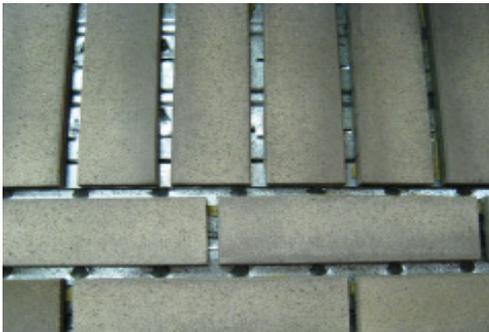
THE LEADER IN THIN BRICK SYSTEMS



The
LOXON
Panel



The
LOXON
Corner
Panel



The
LOXON
Panel
Pre-Bricked



LOXON
Screw Support*



* Screw supports are required for buildings over three stories and if using a power activated gun when installing **LOXON** panels over foam.

FREQUENTLY ASKED QUESTIONS

What is The LOXON Panel System?

A superior method for applying thin brick or tile to any sound substrate without the need for footings.

Why was the system named LOXON?

The panel has engineered features that lock the mortar, adhesive, and brick to the panel. Hence the name, "**LOXON**."

What metal is used for The LOXON Panel?

- The standard is galvanized steel.
- Aluminum or stainless steel are also available.

How is The LOXON Panel fastened to the wall?

The panel is mechanically attached to studs or masonry using corrosive resistant fasteners. The fasteners used depend upon the substrate.

What sheathings are acceptable?

The most common are exterior grade plywood, OSB, sound masonry, etc.

What are some advantages of thin brick?

- They are about 1/6th the weight of regular brick so costly structural support is not required.
- They make remodeling with brick viable.
- Labor is more readily available.

Are thin brick made the same as other brick?

Yes. They are made to the same standards using the same materials.

Is the system held together with glue?

No! Glue is only needed to hold the brick until the mortar application is complete. The brick is locked to the panel with the mortar.

SEE MORE FAQ'S: www.bricksystems.com

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