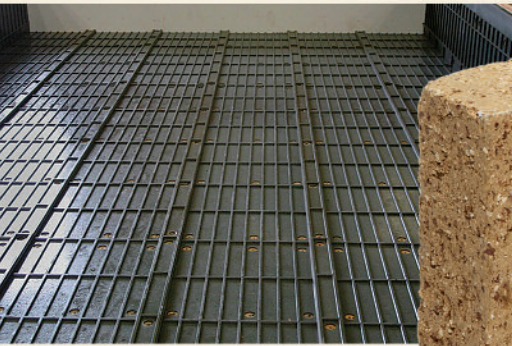


## The Glen-Gery clay thin brick advantage.

Glen-Gery clay thin brick for use in precast or tilt-up applications has been increasing for many years. Advances in concrete, as well as strict requirements related to the physical properties of the thin brick themselves, have led to increased durability and performance. The use of Glen-Gery clay thin brick allows the appearance of full size brick with a wide variety of textures and colors, along with the performance and the ease of installation of concrete wall panels.



A form liner within the form in preparation for thin brick installation.



Genuine Glen-Gery clay thin brick product placed in liner and readied for initial pour.



Precast sections from Glen-Gery define the look and soundness of the Millennium Science Complex on Penn State University's campus.

# THINK THIN

for truly  
amazing  
product  
diversity



## Benefits of Glen-Gery genuine clay thin brick in precast and tilt-up applications:

Genuine hard-fired clay brick with matching full brick available

Multiple sizes available from modular, engineer, econo, norman and utility

Available in smooth and velour (wirecut) – other rougher/deeper textures including R Texture available on per job basis

Wide variety of special shape capability – including thicker units for corbelling and a broad selection of finished faces and configurations based on specific project requirements

Grinding available to meet ASTM or PCI tolerances

Wax coating available for ease of cleaning

Increased sustainability – decreased use of raw materials and energy required to manufacture

Reduced fuel and energy use – minimizing energy costs in manufacturing and transportation

Reduced superstructure costs – thinner walls and reduced seismic concerns with load bearing capabilities

Less jobsite impact allows for cleaner work environment with less material onsite

## Diversity in size, shape and color.

The value of choosing Glen-Gery genuine clay thin brick for precast and tilt-up applications is amplified by the design potential provided by the range of choices in shapes, sizes and colors.



SIS421 Medium Rose Ironspot UTIL



G391 Glazed MOD



W181 Dolomite Grey UTIL



W32 Tawny Beige ECONO



SIS62 Plum Ironspot MOD corner



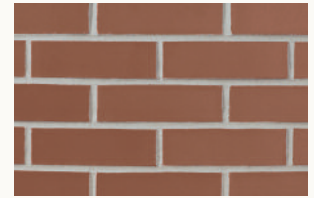
W392 Port Liberte



FS15 Sunset Flashed



S12 Red Cliff



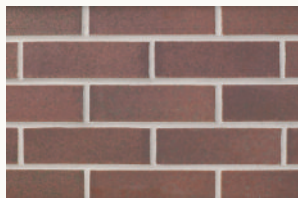
S15 Sunset



S56 Oyster Grey



S72 Smoky Quartz



SIS81 Burgundy Ironspot



W19 Blush Mist



W27-28 Golden Dawn



G625 Light Grey with speck

REQUIREMENTS	GLEN-GERY CLAY THIN BRICK
<b>Thickness:</b>	3/4" thick (+/- 1/8") 1" to 1-3/4" thickness available with ribbed back
<b>Dimensional Tolerance Requirements:</b>	+/- 1/16" within the lot for 8" units and +/- 3/32" for 12" units Ground edge available when required to ensure: + 0", -1/16" for 8" units and + 0", - 3/32" for 12" units
<b>Special Shapes:</b>	Variation of Shape from Specified Angle: +/- 1 degree variation of shape from specified angle
<b>24 hr. Cold Water Absorption:</b>	Absorptions average below 6% as tested per ASTM C67
<b>Efflorescence:</b>	Rated "not effloresced" as tested per ASTM C67
<b>Out of Square:</b>	+/- 1/16" as measured per ASTM C67
<b>Warpage:</b>	Consistent plane of +/- 1/16" as measured per ASTM C67
<b>Tensile Bond Strength:</b>	Bond strength >250 psi average for flat back units flat cut back face as tested per modified ASTM E488
<b>Freeze-Thaw Resistance:</b>	Testing of flat back brick indicates bond strengths >250 psi average with no detectable deterioration (spalling, cracking or chafing) after 300 cycles as tested per ASTM C666 Method B (modified)
<b>Modulus of Rupture:</b>	MOR greater than 1,000 psi as tested per ASTM C67
<b>Chemical Resistance:</b>	Rating of "not affected" as tested per ASTM C650
<b>Surface Coloring:</b>	No observable difference in finish after 50 freeze-thaw cycles as tested per ASTM C67
<b>Back Surface Texture:</b>	3/4" back surface texture will be flat. Ribbed surface available with > 3/4" thickness

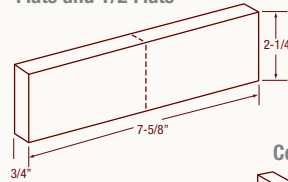
### Glen-Gery clay thin brick sizes for precast and tilt-up applications

	HEIGHT	LENGTH	*THICKNESS
Modular	2-1/4"	7-5/8"	3/4"
Engineer	2-3/4"	7-5/8"	3/4"
Econo	3-5/8"	7-5/8"	3/4"
Norman	2-1/4"	11-5/8"	3/4"
Utility	3-5/8"	11-5/8"	3/4"

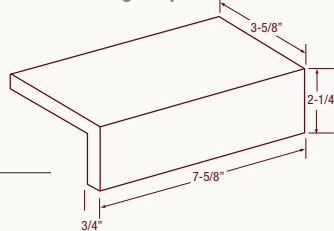
\*Glen-Gery can also provide units thicker than 3/4" to allow for a ribbed back and for soaps up to 1-3/4" in thickness.

Dimensional tolerance: Glen-Gery thin brick meet ASTM C1088, Grade Exterior, Type TBX. Optional ground edges are available to ensure tighter tolerances up to + 0", - 1/16" in length for the lot manufactured for the project.

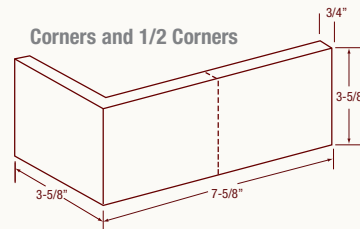
#### Flats and 1/2 Flats



#### Edge Cap



#### Corners and 1/2 Corners



Glen-Gery hard-fired clay thin brick are available in stretcher units, corner units or 3-sided corner units in a variety of color ranges. Thicker units for corbels and shorter units for corner and panel ends – 1/2 flat, 1/2 corner.



An Oldcastle® Company

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For size, texture and shape availability, consult your Glen-Gery Representative. Due to printing limitations, color may vary from the actual brick. Color range may also vary with size and texture. Selections should be based on a sample. 9/10/5M/SG © 2010 Glen-Gery Corporation, an Oldcastle® Company.



**Glen-Gery**  
**THIN BRICK**

