

# ICC-ES Evaluation Report

ESR-3918

Reissued February 2024


This report also contains:

- CBC Supplement

Subject to renewal February 2025

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<p><b>DIVISION: 08 00 00— OPENINGS</b></p> <p><b>Section: 08 84 00— Plastic Glazing</b></p> <p><b>DIVISION: 09 00 00— FINISHES</b></p> <p><b>Section: 09 00 00— Finishes</b></p>	<p><b>REPORT HOLDER: GALLINA USA, LLC</b></p>	<p><b>EVALUATION SUBJECT: PoliCarb® POLYCARBONATE SHEETS: 2-WALL (2 LAYERS) 3-WALL (3 LAYERS) 5-WALL (5 LAYERS)</b></p> <p><b>arcoPlus® POLYCARBONATE PANELS: 684 (4 LAYERS) 6124 (4 LAYERS) 626 (6 LAYERS) 547 (7 LAYERS)</b></p>	
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## 1.0 EVALUATION SCOPE

Compliance with the following code:

- 2021, 2018 and 2015 [International Building Code® \(IBC\)](#)

Properties evaluated:

- Light-transmitting plastic
- Interior Finish
- Durability

## 2.0 USES

The PoliCarb and arcoPlus products comply with the interior finish requirements of IBC Section 803.1 and the light-transmitting plastic requirements per IBC 2606.4 as noted in [Table 1](#).

In addition, 8mm thick PoliCarb 2-wall, 16mm and 25mm thick PoliCarb 3-wall, 16mm thick PoliCarb 5-wall, 8mm thick arcoPlus 684, arcoPlus 626, and arcoPlus 547 have been evaluated for durability and may be used in exterior applications such as skylights, exterior walls, and roof sheets, when specifically evaluated for such use in a current ICC-ES evaluation report.

## 3.0 DESCRIPTION

The PoliCarb and arcoPlus products are clear and translucent multiwall or layered polycarbonate sheets manufactured from the same resin. See [Table 1](#) and [Figures 1](#) and [2](#) of this report for sheet details.

## 4.0 INSTALLATION

Installation must be in accordance with the IBC, as applicable.

## 5.0 CONDITIONS OF USE:

The sheets described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 The sheets must be manufactured, installed and identified in accordance with this report and the IBC.
- 5.2 Except as noted in Section 2.0 where durability has been evaluated for select products, end use is outside the scope of this report, and requires demonstration to the code official of compliance with the code sections applicable to end use (such as, but not limited to, structural, durability, interior finish stability, and drop-out performance).
- 5.3 The sheets are produced at the Gallina USA, LLC plant located in Janesville, Wisconsin under a quality control program with inspections by ICC-ES.

**6.0 EVIDENCE SUBMITTED**

- 6.1 Reports of testing in accordance with ASTM E84, ASTM D1929, and ASTM D635 for all products.
- 6.2 Reports of weathering tests (ultraviolet-light tests and comparison tension tests) in accordance with Section 4.1.2 of the [ICC-ES Acceptance Criteria for Plastic Glazed Skylights \(AC16\)](#), dated April 2020 (editorially revised August 2020) for the 8mm thick PoliCarb 2-wall, 16mm and 25mm thick PoliCarb 3-wall, 16mm thick PoliCarb 5-wall, 8mm thick arcoPlus 684, arcoPlus 626, and arcoPlus 547 products.
- 6.3 Quality documentation.

**7.0 IDENTIFICATION**

- 7.1 The 4mm thick PoliCarb 2-wall sheets or bundle of sheets bear a label that includes the Gallina USA, LLC name and address, the product name, the product thickness, the interior finish classification, and the evaluation report number (ESR-3918).

All other sheets or bundle of sheets bear a label that includes the Gallina USA, LLC name and address, the product name, the product thickness, the interior finish classification, the plastic classification, and the evaluation report number (ESR-3918).

- 7.2 The report holder’s contact information is the following:

**GALLINA USA, LLC**  
**4335 CAPITAL CIRCLE**  
**JANESVILLE, WISCONSIN 53546**  
**(608) 531-0450**  
[www.gallinausa.com](http://www.gallinausa.com)

**TABLE 1—PRODUCT CLASSIFICATIONS**

PRODUCT NAME	WALLS OR LAYERS	THICKNESS (mm)	INTERIOR FINISH CLASSIFICATION (IBC Section 803.1)	PLASTIC CLASSIFICATION (IBC Section 2606.4)
PoliCarb 2-wall	2	4	A	-
		6	A	CC1
		8	A	CC1
		10	A	CC1
PoliCarb 3-wall	3	16	A	CC1
		25	A	CC1
PoliCarb 5-wall	5	16	A	CC1
arcoPlus 684	4	8	A	CC1
arcoPlus 6124		12	A	CC1
arcoPlus 626	6	20	A	CC1
arcoPlus 547	7	40	A	CC1

For SI: 1 inch = 25.4mm

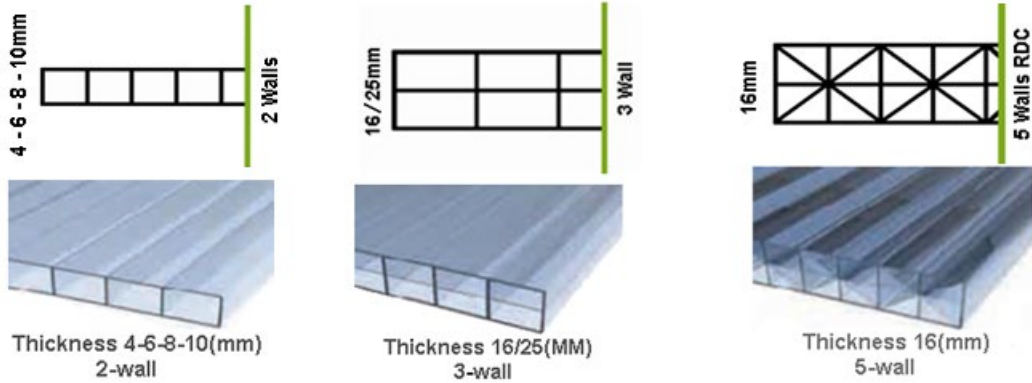
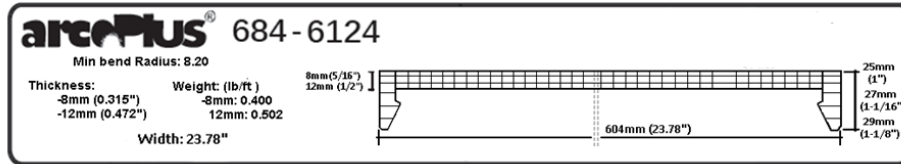
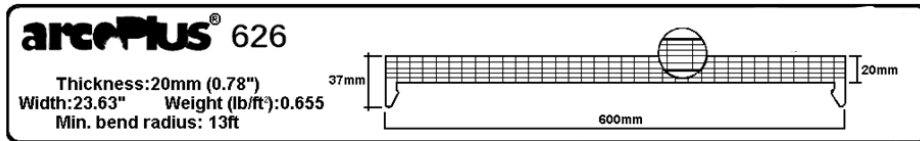


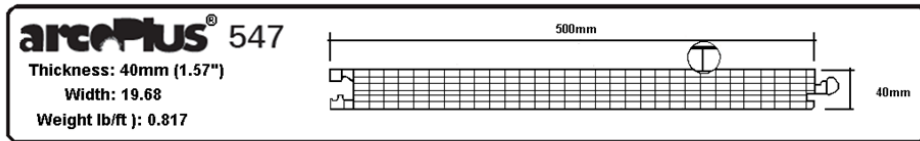
FIGURE 1—PoliCarb® MULTIWALL POLYCARBONATE SHEETS



4 Layers



6 Layers



7 Layers

FIGURE 2—arcoPlus® MULTIWALL POLYCARBONATE SHEET

**DIVISION: 08 00 00—OPENINGS**  
**Section: 08 84 00—Plastic Glazing**

**DIVISION: 09 00 00—FINISHES**  
**Section: 09 00 00—Finishes**

**REPORT HOLDER:**

GALLINA USA, LLC

**EVALUATION SUBJECT:**

**PoliCarb® POLYCARBONATE SHEETS:**  
**2-WALL (2 LAYERS)**  
**3-WALL (3 LAYERS)**  
**5-WALL (5 LAYERS)**

**arcoPlus® POLYCARBONATE PANELS:**  
**684 (4 LAYERS)**  
**6124 (4 LAYERS)**  
**626 (6 LAYERS)**  
**547 (7 LAYERS)**

**1.0 REPORT PURPOSE AND SCOPE****Purpose:**

The purpose of this evaluation report supplement is to indicate that PoliCarb and arcoPlus products, described in ICC-ES evaluation report ESR-3918, have also been evaluated for compliance with the code noted below.

**Applicable code edition:**2019 *California Building Code* (CBC)

For evaluation of applicable chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) AKA: California Department of Health Care Access and Information (HCAI) and the Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

**2.0 CONCLUSIONS****2.1 CBC:**

The PoliCarb and arcoPlus products, described in Sections 2.0 through 7.0 of the evaluation report ESR-3918, comply with CBC Chapter 26, provided the design and installation are in accordance with the 2018 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapter 26, as applicable.

**2.1.1 OSHPD:**

The applicable OSHPD Sections and Chapters of the CBC are beyond the scope of this supplement.

**2.1.2 DSA:**

The applicable DSA Sections and Chapters of the CBC are beyond the scope of this supplement.

This supplement expires concurrently with the evaluation report, reissued February 2024.