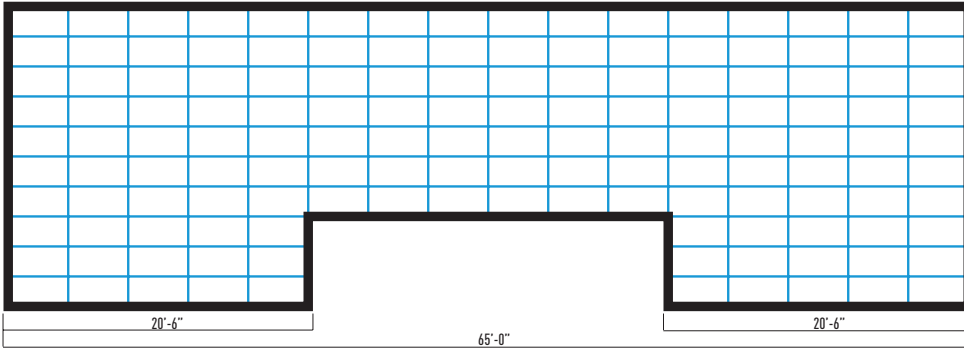


## HANDLING & INSTALLATION

## ADVANC-R® TAKE-OFF

Scale: 0.0375" = 1'-0"



# ADVANC-R®

## VACUUM INSULATION PANEL

Engineered by Panasonic as the Ultra-Insulation for the building industry and tested to ASTM C1484 Standards

**PRODUCT DESCRIPTION:** Panasonic ADVANC-R® Vacuum Insulation Panel (VIP) is Ultra-Thermal Insulation with industry top class Center of Panel R-value of 66<sup>(1)</sup>. ADVANC-R® VIP's R-value is as high as 16.8 times that of traditional insulation<sup>(2)</sup>. ADVANC-R® is your solution to meet increasing R-value requirements, while minimizing your roofing system's profile and maximizing building space. ADVANC-R® is thin, rigid, and non-structural. ADVANC-R® is Class A rated for flame and smoke.

## BUILDING APPLICATIONS

- ADVANC-R® is specifically engineered for building applications
- Use ADVANC-R® as part of a commercial roofing system, inserting our ADVANC-R® VIP between protective layers such as traditional insulation products (polyiso, EPS, or other similar products) or commercial gypsum roofing products
- We recommend staggering of each layer of the roofing system to optimize thermal insulation and minimize thermal bridging

## ROOF TAKE-OFF

- For information on optimizing ADVANC-R® layouts for commercial building roofs, please contact Panasonic Building Products and Materials Team:  
+1-201-392-4424  
+1-800-344-2112  
building@us.panasonic.com
- Available ADVANC-R® sizes

PART NUMBER		WIDTH	LENGTH	THICKNESS
TZC3500E	Inch	22.4	24.0	0.94
	mm	570	610	24
TZC3490E	Inch	22.4	48.0	0.94
	mm	570	1220	24

## PRODUCT HANDLING

- ADVANC-R® is shipped in specially designed packaging and on a pallet. Do not unpack until installation
- The outer bag of ADVANC-R® must not be damaged or compromised such that it loses its vacuum
- Certain actions may compromise the outer bag and affect thermal performance. Therefore:
  - Do not cut
  - Do not puncture
  - Do not bend
  - Do not mechanically fasten
  - Do not expose to water, rain, snow, moisture
- Neither sizes may be modified or changed
- VIP may be statically charged, so use anti-static gloves when handling

## WAREHOUSE STORAGE

- ADVANC-R® will be shipped in a carton box loaded on a pallet. Store indoors in a well ventilated area and on the pallet
- Keep ADVANC-R® on the pallet and away from any water



Disclaimer: <sup>(1)</sup> Based on independent third-party testing at time of publication. <sup>(2)</sup> Competitive insulation R-values are based on publicly obtained information. ADVANC-R® is a registered trademark of Panasonic Corporation of North America. Copyright © 2021, Panasonic Corporation of North America. All Rights Reserved. Specifications are subject to change without notice.



Panasonic Industrial Devices Sales Company of America, Division of Panasonic Corporation of North America  
2 Riverfront Plaza, 7th Floor, Newark, NJ 07102-5490

• na.industrial.panasonic.com/building • building@us.panasonic.com • +1-201-392-4244 or +1-800-344-2112

# ADVANC-R<sup>®</sup> VACUUM INSULATION PANEL

## WAREHOUSE STORAGE - CONTINUED -

- Maintain ambient temperature below 104°F (40°C)
- Ensure ambient humidity to be below 50% RH
- Maximum stacking is 2 pallets high

## TRANSPORTING TO JOB-SITE

- Transport ADVANC-R<sup>®</sup> in manufacturers designed packaging and pallet and keep level
- When securing palletized ADVANC-R<sup>®</sup> with straps, etc, always use edge/strap protectors and do not use excessive tension as this may damage the packaging and VIP. Also protect the VIP with waterproof tarp during transport

## JOB-SITE STORAGE (STAGING)

- Always store on level ground, use a waterproof tarp to protect ADVANC-R<sup>®</sup> from the weather, rain, snow, water, excessive heat and direct sunlight

## INSTALLATION

- For commercial roofs, we recommend inserting ADVANC-R<sup>®</sup> between protective layers such as traditional insulation products (polyiso, EPS, or other similar products) or commercial gypsum roofing products
- In order to maximize R-value, we recommend staggering the seams of each layer of the roofing system
- Only use Roofing System Manufacturers approved adhesives to attach our ADVANC-R<sup>®</sup> to other layers of the roofing system. Do not use fasteners, screws, nails, staples, etc
- Stepping on the VIP may compromise the outer bag
- Ensure no foreign or sharp objects (burrs, metal shavings, screws, nails, etc) touch the ADVANC-R<sup>®</sup> and the VIP is level
- Inspect ADVANC-R<sup>®</sup> and ensure it is firm and dry. Keep ADVANC-R<sup>®</sup> dry at all times

- Stepping on ADVANC-R<sup>®</sup> may compromise the outer-bag and thermal performance
- ADVANC-R<sup>®</sup> has a right side up. The highly reflective side should always face up
- Do not apply more than 14.3 psi of pressure on ADVANC-R<sup>®</sup> to ensure it adheres to the substrate

