



PanelTack HM™

ADHESIVE FOR PANELTACK™ WALL PANEL AND FAÇADE CLADDING SYSTEM

KEY FEATURES

- High modulus and permanently elastic for tension distribution
- Interior and exterior use
- Continuous bond of panel to sub-structure

DESCRIPTION

PanelTack HM™ is part of the Bostik PanelTack™ cladding system used specifically for the discreet bonding of façade and decorative panels for interior and exterior applications. PanelTack HM™ is a homogenous, highly elastic, smooth adhesive, and suitable for use with various panels and wall cladding materials, including gauged porcelain tile panels, high-pressure laminate (HPL), aluminum composite materials (ACM), pressed mineral wool (PMW), porous substrates, fiber cement boards (FCB), concrete, porcelains, ceramics and other natural materials.

The complete PanelTack™ System includes Primer PanelTack™, FoamTape™, PanelTack HM™ and other PanelTack™ primers. Please refer to each product's Technical Data Sheet for a comprehensive list of approved substrates.

PRODUCT FEATURES

- Designed for interior and exterior use
- High mechanical strength
- Long-term elasticity
- No drilling required
- Discreet attachment method
- Faster than mechanical fastening methods
- Higher thermal resistance
- Resistant to vibration
- Increased thermal breaks
- Absorbs tensile forces due to wind
- Uniform stress distribution
- Lightweight wall panels can be used
- Free of solvents and isocyanates

DIRECTIONS FOR USE

All substrates must be firm, clean, dry, dust-free and grease-free. Do not apply in windy conditions. Do not apply during rain, frost, misty conditions, or risk of dew, as this will result in surface condensation. Install PanelTack™ at temperatures between 40°F and 85°F (5°C and 30°C). Once the PanelTack HM™ adhesive has been applied, the panel should be installed within 10 minutes (open time). If left open for longer, the adhesive may start to cure, resulting in a skin formation on the adhesive. Skin formation will result in insufficient final adhesion. Refer to the Open Time chart in the Technical Guide



for recommended installation conditions. Always ensure adequate ventilation of the façade during installation.

Always do a test area to ensure product satisfaction, including adhesion to substrate, and/or to become familiar with proper application techniques prior to use. It is the user's responsibility to determine the condition and suitability of all surfaces before application. All panels must be in ideal condition to ensure a proper bond. Refer to the panel manufacturers' Technical and Safety Data Sheets prior to use. DO NOT USE the panel under the following conditions:

- Contains damage, intolerable curving or warping
- Contains incorrect pretreatment or primer on the bonding surface
- Incorrect alignment of the PanelTack™ primers with the primer contact points on the support structure
- If the surface to be bonded is not sufficiently dry
- If it is incompatible with the bonding system

Panels should be flat before bonding, particularly for larger panels, which require even greater care in terms of handling and storage. Contact the panel manufacturer with any questions or concerns regarding the panels themselves.

Read and understand technical and safety data sheets completely before beginning installation. Follow application installation standards and local and international building code. Refer to www.bostik.com/us for the most recent product information and safety data sheet prior to installation.

APPLICATION INSTRUCTIONS

PanelTack HM™ is part of a complete system for bonding wall panels and façade cladding.

1. After the proper PanelTack™ primer and PanelTack™ FoamTape™ have been applied, apply PanelTack HM™ vertically, from top to bottom, in a continuous, uninterrupted line.
2. Cut the PanelTack HM™ sausage tip and insert it into an air pressure gun, electric caulking gun or sausage gun. Screw on attached V-notch applicator tip to make a triangular strip with a width and height of 3/8" (10 mm). Apply the adhesive on one surface only at a 90° angle relative to the substrate for optimum bead size and shape.

This supersedes and replaces in its entirety all previously published versions of this document. T0000138 (Last revised on 07.22.20)

- PanelTack HM™ should be applied a minimum of 3/8" (10 mm) distance from FoamTape™, creating sufficient space for the adhesive to "flow" to all sides when pressing the panel. NOTE: If the adhesive bead is applied too close to the FoamTape™, there is a risk that adhesive will run over the tape when the panel is pressed, resulting in insufficient adhesion of the FoamTape™. NOTE: PanelTack HM™ should not be applied too close to the edge because the adhesive bead might roll over the edge.
- Once FoamTape™ and PanelTack HM™ have been applied, the panel should be installed within 10 minutes (open time). If left open for longer, the adhesive may start to cure, resulting in a skin formation on the adhesive. Skin formation will result in insufficient final adhesion.
- DO NOT work longer than 10 minutes ahead when applying adhesive (typically one panel). Only for small panels is it possible to apply the adhesive for several panels at once.
- Once the PanelTack™ products have been applied, avoid touching the exposed adhesive and pretreated surfaces, as this may adversely affect the final adhesion.

NOTE: Please reference each product's Technical Data Sheet for further details regarding approved substrates and appropriate application guidelines. Given the variety of panels present in the market, it is recommended that you consult with the panel manufacturers, the Bostik Technical Service Department or your Sales Representative before installation if you have questions or concerns.

COVERAGE

Approx. 40 linear feet (12 m) per 20 oz sausage.

STORAGE

Store in a cool, dry area not affected by freezing or hot temperatures 40°F to 77°F (5°C to 25°C). Shelf life is one year from date of manufacturing in unopened packaging.

PACKAGING

20 oz per sausage, 12 sausages per case.

VOC

0 g/L (as calculated per SCAQMD 1168).

CLEAN UP

Clean all tools and equipment with soap and water. Do not allow material to adhere to unintended surfaces.

LIMITATIONS

- Not suitable for use without a complete PanelTack™ system.
- PanelTack™ products are not suitable for use on top of existing wall panel and façade cladding materials.
- Do not use FoamTape™ that has become compromised by adhering jointly to itself or unintended surfaces.
- Not suitable for use in a "dotting and spotting" method.
- Confirm structure is stable for applying a ventilated façade system.
- Confirm panel lengths are suitable for system components and building codes.
- Maintain an air gap of 3/4" (2 cm) or greater between the panel and the next component of the wall system. Do not block the ventilation of the façade system to allow for continuous airflow.

NOTES: Prior to installation, apply PanelTack™ to a test area to become familiar with the application and to ensure product satisfaction. It is the user's responsibility to determine the condition and suitability of all surfaces before application.

Given the variety of uses for our products, the instructions contained in this document are provided for illustrative purposes. We advise our customers to ensure that the product meets the intended use, taking responsibility for its use in each case.

TYPICAL PHYSICAL PROPERTIES

Chemistry Type	MS Polymer	
Adhesive Type	Moisture-cured Elastic	
Color	Black	
Consistency	Homogenous	
Density	Approx. 1.5 g/ml	
Skin Formation Time	15 min. (68°F [20°C]/50% RH)	
Tensile Strength	Approx. 3.7 N/mm ²	
Shear Strength	Approx. 2.4 N/mm ²	
Max. Permitted Movement	1/8" (3 mm)	
Shore A Hardness	Approx. 60	
Temperature Resistance	-40°F to 194°F (-40°C to 90°C)	
Application Temperature	40°F to 95°F (5°C to 35°C)	
Cure Time	1/8" (3 mm) per day	
Open Time	10 minutes	
Use Environments	<ul style="list-style-type: none"> • Façades • Claddings • Parapets 	<ul style="list-style-type: none"> • Roofs • Awnings • Balustrades
Approved Substrates (when correctly primed)	<ul style="list-style-type: none"> • Aluminum 	<ul style="list-style-type: none"> • Stainless Steel
Cladding Panel Types	<ul style="list-style-type: none"> • Gauged porcelain tile panel • Porcelain • Ceramic • High-pressure laminate (HPL)* • Aluminum composite material (ACM) • Concrete 	<ul style="list-style-type: none"> • Pressed mineral wool (PMW) • Porous substrates • Other natural materials • Other wall cladding and ventilated façade panels

*8 ft (2.4 m) maximum size panel

SDS STATEMENT

Always refer to the Safety Data Sheet (SDS) prior to use for proper handling, clean up and spill containment. SDS documents are available at www.bostik.com/us. FOR PROFESSIONAL USE ONLY. NOT LABELED FOR CONSUMER USE. KEEP OUT OF REACH OF CHILDREN.

LIMITED WARRANTY

The PanelTack System warranty requires completion and submittal of the PanelTack Jobsite Log, available at bostik.com/us. Limited Warranty found at www.bostik.com/us or call 800.726.7845. TO THE MAXIMUM EXTENT ALLOWED BY LAW, BOSTIK DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. UNLESS OTHERWISE STATED IN THE LIMITED WARRANTY, THE SOLE REMEDY FOR BREACH OF WARRANTY IS REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER'S PURCHASE PRICE. BOSTIK DISCLAIMS ANY LIABILITY FOR DIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES TO THE MAXIMUM EXTENT ALLOWED BY LAW. DISCLAIMERS OF IMPLIED WARRANTIES MAY NOT BE APPLICABLE TO CERTAIN CLASSES OF BUYERS AND SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. The Limited Warranty extends only to the original purchaser and is not transferable or assignable. Any claim for a defective product must be filed within 30 days of discovery of a problem, and must be submitted with written proof of purchase.

BOSTIK HOTLINE

Smart help
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