LAMINATORS
Composite Panel Solutions

www.LaminatorsInc.com
800.523.2347
3255 Penn St, Hatfield, PA 19440

ADAPTACLAD® TF
TECHNICAL DATA SHEET

SYSTEM: AdaptaClad TF (formerly 1-Piece, Tight-Fit Molding Legacy)

EFFECTIVE: November 2, 2026

Description: Laminators Inc. AdaptaClad TF is a progressive, weather-resistant, exterior wall cladding panel system. The panel system is designed to be fully field-fabricated and utilizes Omega-Lite® FR aluminum composite material (ACM) panels. Aluminum moldings encapsulate panel edges and provide various aesthetic options, while panel adhesive is used to secure the panel to the substrate. The panel system can be installed over a variety of substrates but is recommended for continuous (nailable) substrates including Laminators Inc. Omega CI® rigid insulation panels or other third-party structural insulated sheathing products.

Properties:

Depth	3/8 in (nom) [*excluding optional shim*]
Weight	1.0 psf (+/-)
Weather Protection (2021 IBC / 1402.2)	Water-resistive barrier behind system Optional shim for drainage & ventilation
Exterior Wall Finish (2021 IBC / 1406.2)	PVDF/Kynar 500®, Polyester, or Anodized ACM
Combustible Exterior Wall Coverings (2021 IBC / 1406.10 & 1406.11)	Types I, II, III, IV, and V Construction

Performance:

Perimeter Framing Deflection (2021 IBC / Table 1604.3)	< L/175 normal to plane of wall
Panel Deflection (2021 IBC / Table 1604.3)	< L/60 normal to plane of wall
Air Leakage Testing (ASTM E283-04 [12])	< 0.01 cfm / ft^2 @ 1.57 psf and 6.24 psf
Uniform Load Testing [1] (ASTM E330-14)	± 40.10 psf ± 60.15 psf
Permanent Deformation at 150% Pressure (ASTM E330-14)	< L/1000
Water Penetration Testing (ASTM E331-00 [16])	Pass @ 15.04 psf

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Fire Performance [2,3] (NFPA 285-25)	Meets Conditions of Acceptance
Thermal Movement Temperature Range	-20°F to +180°F at material surface

Qualifications:

NYC Concealed Space Fireblocking [4] (2022 NYC BC / 718.2.6.1, 1407.11, & 1407.16; NFPA 285-25)	Meets Conditions of Acceptance

Notes:

1. Refer to Design & Installation details for required panel adhesive layout and fastening requirements by substrate.
2. Tested assembly included structural insulated sheathing with applied water-resistive barrier over metal stud base wall construction with exterior and interior gypsum sheathing.
3. Engineering Evaluation (EEV) from third-party fire consultant available for additional compliance options.
4. Tested assembly incorporated Tenmat FF102/50 Plus and 4 pcf (min) mineral wool fireblocking.