

## TRUFAST® ROOFING ADHESIVE

### DESCRIPTION:

TRUFAST® Roofing Adhesive is a two-component, low-rise, polyurethane foam adhesive designed to adhere thermal barriers (base boards), insulations, cover boards, and fleece membranes, including all Duro-Last® PVC and Duro-TECH™ TPO, to acceptable substrates.

TRUFAST Roofing Adhesive is applied in continuous beads for board attachment (can be multi-layer), or applied in a spatter pattern for fleece membrane attachment.

TRUFAST is compatible with the following properly prepared roof substrates. Refer to the [Adhered Roofing System specification](#) for additional application guidelines:

- Cementitious wood fiber (Tectum™) decks
- Steel decks (metal roofing not allowed)
- Gypsum decks
- Wood decks
- Structural concrete decks (minimum 2,500 psi (17.2 MPa))
- Lightweight insulating concrete (minimum 160 psi (1.1 MPa))
- Polyisocyanurate (ISO, flat and tapered)
- Expanded polystyrene (EPS, flat and tapered)
- Extruded polystyrene (XPS, flat and tapered)
- Gypsum- or cement-based barrier/cover boards
- Duro-Last Vapor Barrier/Torch-Down Vapor Barriers
- Sprayed polyurethane roofing (any existing coating must be removed by scarfing or shaving)
- Aged asphaltic roofing (smooth and granulated)
- Base sheets

**Contact Engineering Services for approved base sheets**

### ORDERING:

Refer to TRUFAST coverage rates table for approximate coverage rates. Refer to the [Adhered Roofing System specification](#) for additional application guidelines.

(Item #11036) Cartridge kit (4/case)

(Item #11049) Canister kit

(Item #11054) 15-gallon drum kit

(Item #1108-055) 50-gallon drum kit

(Item #11052) Hose and Gun

(Item #11053) Mixing tip pack (6 per pack)



- **Cartridge kits** are sold in boxes containing four 0.4-gallon (1500-ml) cartridge tubes and 6 static mixing tips. Cartridges require the cordless TRUFAST dispensing gun (sold separately).



- **Canister kits** contain 1 A tank, 1 B tank, 1 dispense gun and 25 ft (7.6 m) hose assembly, 10 static mixers, 10 shower caps for spatter coat application, 10 extension straws for bead application, 1 petroleum jelly packet, 1 assembly wrench, and 1 instruction sheet. Kits contain everything needed for adhesive application and require no additional equipment.



- 15-gallon (56.8-L) and 50-gallon (189.3-L) drums **kits** contains one A drum and one B drum. Drums require the use of a specialized pump or dispense equipment (sold separately).

## STORAGE AND HANDLING

- **WARNING: EXTREMELY FLAMMABLE.**  
Keep away from heat / sparks / open flames / hot surfaces. **Do not smoke while applying.**
- Store product out of direct sunlight, tightly closed in a dry, cool, and well-ventilated place.
- Keep containers closed tightly during transport and storage.
- Protect from moisture, direct sunlight, and freezing temperatures 32° F (0° C).

### Shelf Life

Ideal storage temperature is between 55° – 90° F (13° – 32° C) to achieve maximum product shelf life of 12 months.

- Shelf life will be shortened if exposed to elevated temperatures.

## PRECAUTIONS:

- **WARNING: EXTREMELY FLAMMABLE.**  
Keep away from heat / sparks / open flames / hot surfaces. **Do not apply while smoking.**
- **KEEP AWAY FROM CHILDREN.**
- Do **not** smoke, eat, or drink while actively using this product.
- Use only in a well-ventilated area.
- Keep away from potable water storage systems.
- Read Safety Data Sheets (“SDS”) prior to using. SDS can be found at: <https://www.duro-last.com/>.
- Wear proper personal protective equipment, such as gloves and eye protection, per the SDS.
- Avoid contact with skin.
- Avoid breathing vapors.
- Protect containers from freezing. Do not leave exposed to direct sunlight for prolonged periods of time.

## INSTALLATION TEMPERATURES:

1. Canisters
  - Canister temperature must be 70° – 85°F (21° – 29° C) during application. Failure to maintain proper temperature will result in off-ratio foam mixture.
  - Use tank heaters in cold conditions or use heat blankets and shade the tanks from sunlight.
  - Avoid storing tanks overnight on rooftop/jobsite when ambient temperatures are excessively hot or cold, or use heat blankets.
  - Substrate temperature must be 32° F (0° C) and rising during application.

2. Cartridges, 15-gallon (56.8-L), and 50-gallon (189.3-L) drums
  - Cartridge and drum temperature are recommended to be 50° F (10° C) or greater. Colder cartridge/drum temperatures will result in excessive foam rise and cure times as well as excessive workload on dispensing equipment, or off-ratio conditions.
  - Use drum heaters in cold conditions and shade tanks from sunlight in warm conditions.
  - Substrate temperature must be above 32° F (0° C) during application.
  - Verify 1:1 application ratio of drums with adjustable pump systems.

## PROPER RATIOS

### (for bead and spatter, bead shown)

The adhesive must be dispensed in a 1:1 ratio.



## SUBSTRATE PREPARATION

- Adhesion tests are required on all substrates. Refer to the [Adhered Roofing System specification](#) for additional application guidelines.
- Do **not** use on substrates showing signs of deterioration or loss of structural integrity.
- Apply to surfaces which are clean, smooth, dry and free of oil and grease.
- On full tear-offs, existing decks having residual asphalt must be cleaned and scraped smooth as best as possible.
- Any remaining asphalt that was not previously exposed (non-oxidized, glossy, shiny) must be primed with Duro-Shield® Roof Primer: Asphalt Bleed Block. Refer to the [Duro-Shield® Roof Primer: Asphalt Bleed Block](#) for application instructions.
- Do **not** use during inclement weather.
- Do **not** use on wet surfaces.
- Insulations must not exceed 4 x 4 ft (1.2 x 1.2 m).
- Roof boards (base or cover) must not exceed 4 x 8 ft (1.2 x 2.4 m).

## RISE AND WORKING TIMES

**Rise time** may vary:

- 10 – 15 seconds on 100° F (37.8° C) plus substrates to 5 minutes plus on 32° F (0° C) substrates.

**Working time** may vary:

- 1 minute on 100° F (37.8° C) plus substrates to 10 plus minutes on 32° F (0° C) to substrates.

**BOARD INSTALLATION (BEADS)**



**1:1 Ratio**  
Greyish green in color. Low-rise, tack foam after cure.



**A-Rich Ratio**  
Slow to rise/no reaction. Yellow in color. Brittle foam after cure.



**B-Rich Ratio**  
Very fast reaction/skin over. Bluish grey in color. Soft, flexible foam after cure.

1. Apply adhesive in 3/4 – 1 inch (19 – 25 mm) width beads out of mixer tip. Space beads 12-inch (305-mm) or 6-inch (152-mm) apart according to the [Adhered Roofing Systems specification](#).
2. Adhesive will then expand several inches in width and rise. Once adhesive has risen and foamed up, boards may be placed onto adhesive. Do **not** apply boards prior to adhesive rising and do **not** exceed working time.
3. Weigh down the boards for 10 – 15 minutes, ensuring that the corners and edges are weighed down properly.

**FLEECE MEMBRANE INSTALLATION (SPATTER PATTERN)**



- Follow setup instructions on the box, or included in the package, for canisters. Cartridges will not spatter.
  - For 15-gallon (56.8-L) and 50-gallon (189.3-L) drums follow setup instructions of pump/dispense equipment supplier.
1. Use TRUFAST spatter cap clicked into the static mixer for canisters and drums.
  2. Sweep side to side to spatter the deck/substrate with droplets covering approximately 75% of the surface area. Refer to the **TRUFAST COVERAGE RATES** table.
  3. Once the adhesive has risen and foamed up, the membrane may be placed onto the adhesive.
  4. Immediately brush the membrane surface with a broom to push out entrapped air and ensure good contact with the adhesive.
  5. If membrane curls, weigh down for 10 – 15 minutes, ensuring that corners and edges are weighed down properly.

**CLEANUP:**

- Uncured adhesive can be cleaned with solvents such as mineral spirits, xylene, etc. Cured adhesive can be scraped from surfaces with a rigid scraper.
- Individual A and B adhesive components in their liquid state should be treated as hazardous waste and disposed of in a licensed facility according to federal, state, and local regulations.
- Empty cartridges, 15-gallon (56.8-L), and 50-gallon (189.3-L) drums can be disposed of in most landfills as non-hazardous waste. However, be sure to consult federal, state, and local regulations for your specific area with regards to the treatment of hazardous and nonhazardous wastes.

**Canister disposal:**

1. Discharge canisters with included dispense gun and mix tip completely into a waste container until one canister is empty of material.
2. Remove dispense gun manifold and discharge residual chemical into a sealed waste container (i.e. plastic bucket) until residual chemicals and gases are evacuated and both canisters are depressurized.
3. Empty canisters, dispense gun, and hoses can be disposed of in most landfills as non-hazardous waste. However, be sure to consult federal, state, and local regulations for your specific area with regards to the treatment of hazardous and nonhazardous wastes.
4. Dispose of captured residual chemical in a licensed facility according to applicable federal, state, and local regulations. Do **not** discharge chemicals into sewer system or allow to contaminate soil

TRUFAST COVERAGE RATES					
Container Size	Approx. Weight	Approx. Coverage ft <sup>2</sup> (m <sup>2</sup> )			
		4 in. (102 mm) o.c.	6 in. (152 mm) o.c.	12 in. (305 mm) o.c.	Spatter
Cartridge Kit	3.7 lb (1.68 kg)	165 (15.3)	250 (23.2)	500 (46.5)	N/A
Canister Kit	89 lb (40.36 kg)	1,165 (108.2)	1,750 (162.6)	3,500 (325.2)	2,400 (223)
15-gal (56.8 L) Drum Kit	275 lb (124.74 kg)	3,000 (278.7)	4,500 (418.1)	7,500 (696.8)	6,000 (557.4)
50-gal (189.3 L) Drum Kit	991 lb (449.51 kg)	10,000 (929.0)	15,000 (1393.5)	25,000 (2322.6)	20,000 (1858.1)

The information given on this PDS is subject to change without notice. Always check the Duro-Last website at [www.duro-last.com](http://www.duro-last.com) for the latest information, changes and updates or contact Duro-Last at 800-248-0280.

The performance specifications published in this document are based off of information provided by Altenloh, Brinck & Co. US, Inc. (the supplier) and are not guaranteed in any way by Duro-Last, particularly since building design, engineering and construction, including workmanship and materials, are beyond Duro-Last’s control.