



BELIEVE. BOND. BUILD.

Duraco® High Bond
Design Solutions



ABOUT DURACO

OVERVIEW

- 75 years in service
- 200+ employees
- 6,800+ customers

MANUFACTURING

- Forest Park, IL
- Bolingbrook, IL
- Lawrence, MA
- Troy, OH
- Lancaster, OH
- St. Paul, MN
- Owatonna, MN

ADVANCED WAREHOUSES

- Forest Park, IL
- Lawrence, MA
- Troy, OH
- St. Paul, MN
- Los Angeles, CA
- Mississauga, Canada



CAPABILITIES:

- Coating, Laminating, Slitting, Die Cutting, Custom Conversion
- R&D, Design Engineering, Quality, Regulatory
- Advance Warehousing & Fulfillment Support

BROAD, ESTABLISHED CUSTOMER BASE:

- Point-of-Purchase, Wall Decor, Construction, Packaging, Appliance, and General Industrial



ISO 9001

WE SOLVE YOUR PROBLEMS WITH SPECIALTY MATERIALS

CUSTOMER-FOCUSED SOLUTIONS IN KEY MARKETS

DIVERSIFIED COATING SOLUTIONS	BROAD PORTFOLIO OF SUBSTRATES & LAMINATES	CUSTOM CONVERSION
Pressure Sensitive Adhesives	Foams	Laminating
Siliconized Liners	Non-wovens	Skiving & Splitting
Hot Melt	Films	Spooling
Water-based	Metalized Films & Foils	Die Cutting
Solvent-based	Woven	Printing

WHY Duraco?

EXPERIENCED

We're an experienced manufacturer with tape experts who can provide you with optimal results and advice.

INTEGRATED TURNKEY PARTNER

We have formed strategic, valuable relationships to provide you with turnkey converting services to produce solutions that meet your custom specifications.

RAPID TURNAROUND

We provide quick turnarounds for ready-to-ship products, customized products, and prototypes too.

DEMONSTRATED QUALITY

We provide quality products and services to ensure you can put your trust in us.

MARKETS SERVED



HVAC



APPLIANCES



POP/SIGNAGE



CONSTRUCTION



TRANSPORTATION



HEALTHCARE



RV/MARINE

Duraco High Bond Tapes

Revolutionary Adhesive Solutions for Industrial Design.

Duraco High Bond® (DHB) tapes are a high-performance bonding alternative to mechanical fasteners and adhesives. DHB tapes can isolate vibration and distribute stress and require no unique tools or equipment to apply. In addition, these tapes are easy to use and offer a clean appearance. DHB can also function as an environmental seal and protect your assemblies from air, moisture, dust, and more.

ADHESION

Instant fixture strength and less mess compared to liquid adhesives.

AESTHETICS

Creates a seamless, appealing appearance.

DISSIMILAR SUBSTRATES

Bonds multiple surfaces including steel, aluminum, composites and plastics.

TEMPERATURE RESISTANCE

Allows for thermal expansion of bonded substrates and reduces stress from expansion and contraction.

TAMPER RESISTANT

Provides a secure and permanent bond.

DURABILITY

High load bearing capability with strong shear and tensile resistance.

BONDING

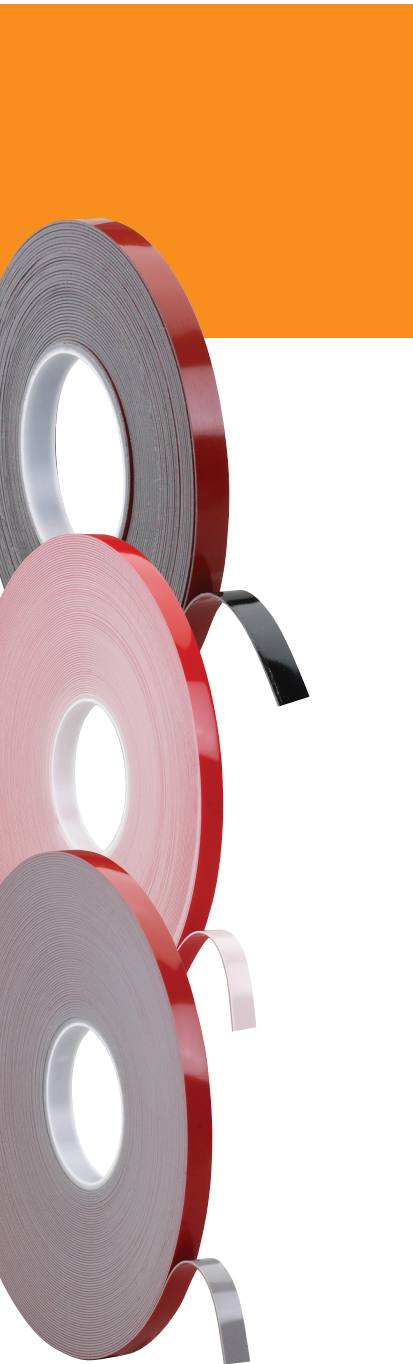
Distributes load across the bond line unlike fasteners which isolate stress, leading to fatigue.

HERMETIC

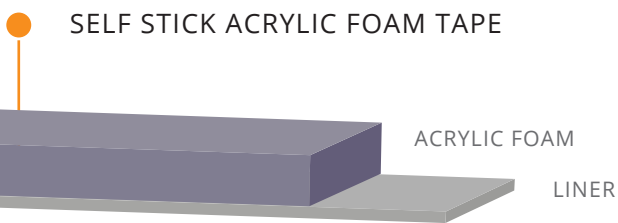
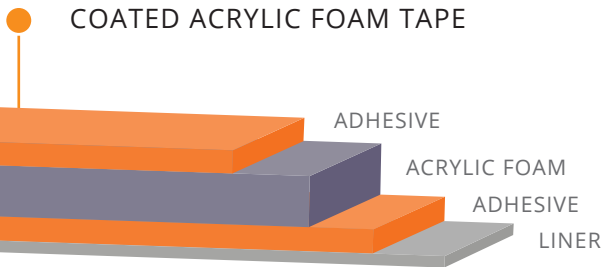
Provides an environmental seal, protecting your assembly from air, moisture, dust and more.

PERFORMANCE

Viscoelastic material that absorbs shock and vibration, prolonging the integrity of the joint.



High Bond Tape Construction



Design Tips

- Reduce weight in your design
- Diecut into countless shapes and sizes
- Conformability for irregular or curved surfaces
- Wide Service Temperature Range: -20° F to 300° F

Available Options

Thicknesses	0.010" to 0.120"
Stock Widths	½", ¾" and 1"
Variations	Custom widths and diecuts
Stock Log Lengths	108' to 216'
Colors	Grey, Black, White, Clear

Applications

Fasten dissimilar substrates including low surface energy (LSE) plastics

Join structural components i.e. channels and brackets

Bonding trim and components in appliances

Attaching components in trucks, trailers, and specialty vehicles

Bonding and sealing electrical components

Mounting interior, exterior, and architectural signs

Assembly of appliance panels

Electrical enclosure assembly

Assembly of truck panels

Muntin bars

Furniture trim and assembly

Replace traditional fasteners



High Bond Tape Product Selector

PRODUCT DESCRIPTION	THICKNESS (IN)	COLOR	MAX TEMP (F)	DENSITY (PCF)
Self-Stick 10	0.062	Grey	300°	42
Self-Stick 51	0.120	White	300°	50
Self-Stick 50	0.010	Clear	300°	53
Self-Stick 23	0.020	Clear	300°	59
Self-Stick 34	0.040	Clear	300°	59
Self-Stick 35	0.060	Clear	300°	59
Self-Stick 07	0.080	Clear	300°	59
General Purpose 21	0.015	Grey	300°	42
General Purpose 31	0.025	Grey	300°	42
General Purpose .031	0.031	Grey	212°	52
General Purpose14	0.045	Grey	240°	47
General Purpose .047	0.047	Grey	212°	52
General Purpose 18	0.090	Grey	240°	47
General Purpose 33	0.025	Black	200°	50
General Purpose 26	0.045	Black	200°	50
General Purpose 24	0.010	White	240°	53
General Purpose 56	0.015	White	240°	53
General Purpose 72	0.025	White	240°	53
General Purpose 40	0.045	White	240°	53
General Purpose 02	0.062	White	240°	53
General Purpose 04	0.080	White	240°	53
LSE 09	0.025	Black	200°	50
LSE 16	0.045	Black	200°	47

Application Guidelines

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Every good bond requires proper surface preparation prior to adhering tape to a substrate. Consider the following items before tape application. Surface cleanliness, composition, topography, temperature, final product life cycle conditions, and more.

PRESSURE

Duraco tapes are pressure sensitive which require adequate pressure to activate a bond. Be sure to apply pressure evenly across the tape post application.

CLEANING

To ensure proper tape adhesion, surfaces should be free of contaminants such as dust, oils, excess coatings, etc. Alcohols and other non-residue producing, fast evaporating solutions should be used to prepare the surface.

ENVIRONMENT

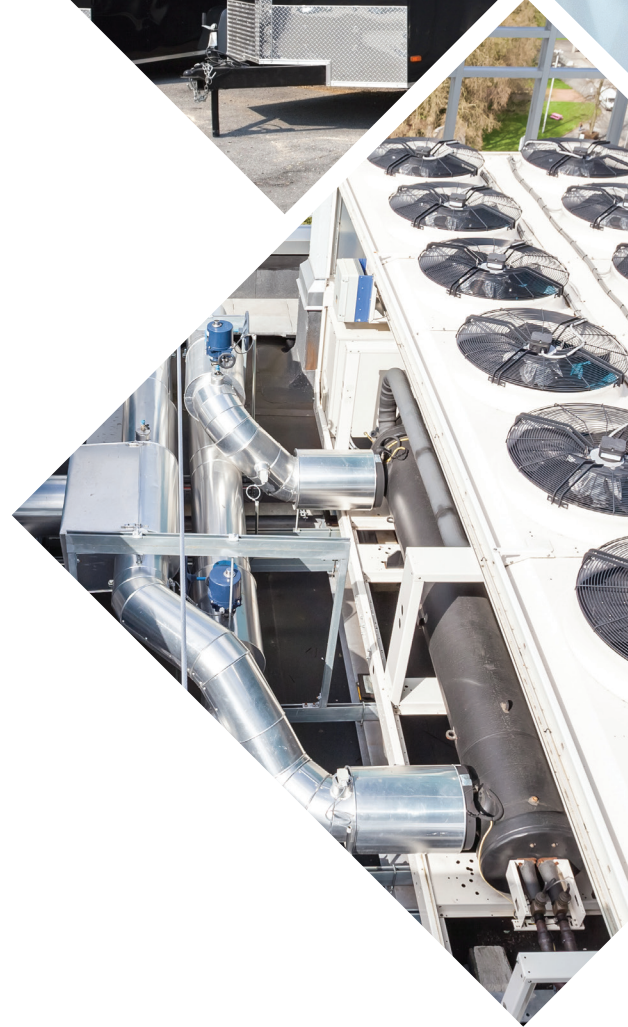
Different temperatures, humidity, storage conditions, precipitation, etc., can be detrimental to a tape's bonding capability. The best application temperature will be specified for each product. It is also important to understand the service temperature and conditions the final bond will be subjected to during its life cycle prior to choosing an appropriate tape.

COMPOSITION

Surface composition is a key to choosing the correct adhesion level required from a tape. Understand whether "the bond to" surface has a high or low surface energy value (e.g. stainless steel versus polypropylene) and if the surface is rough or smooth. Tapes are developed to address different adhesion levels at various surface energy levels, in addition to accommodating the need to be either rigid or conformable.

STORAGE AND SHELF LIFE

Tape should be stored within its original packaging, in a dry place at room temperature (72° F). If room temperature is not possible, the storage temperature should not exceed 39° F to 100° F. When the tape is stored under these conditions, the shelf life would be 18 months from date of manufacturing.



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