

**Adhesin**<sup>®</sup>

# Adhesive Solutions

*for Flexible Air Duct Assembly*



Henkel is the market leader in adhesive solutions for the manufacture of flexible air duct components. Through our long history as a supplier to this industry, we have developed a full line of adhesive products that meet the performance needs of our customers and governing building codes. Our products are designed for bonding clear and metallized polyester film in high speed laminating processes, and are offered in a range of adhesive and process properties.

Henkel is also a long-time associate member of the Air Diffusion Council, the industry's advocacy association. Additionally, most of our products carry the UL Recognized Component designation, which ensures customers of our consistent quality and reliability.





**Vapor barrier “jacket” adhesives** – Henkel’s vapor barrier adhesive products cover a range of desired properties and application processes.

Product	Adhesive Type	Typical Properties
<b>Adhesin® XA-7598™</b> <b>Adhesin® XA-7598™ Gray</b>	Flame-retardant, pressure-sensitive acrylic emulsion adhesive; available in white and dark gray	This vapor barrier adhesive features moderate tack and high shear strength properties. Additionally, it exhibits excellent water resistance for high humidity end-use requirements.
<b>Adhesin® XA-7597™</b> <b>Adhesin® XA-7597™ LV</b> <b>Adhesin® XA-7597™ Gray</b>	Flame-retardant, pressure-sensitive acrylic emulsion adhesive; available in two viscosities and two colors, white and dark gray	Properties include a very high solids content for quick drying in process and a high level of tack and adhesion to polyester film.

**Core adhesives** – To address the demands of the air duct core, we offer products that exceed industry standards.

Product	Adhesive Type	Typical Properties
<b>Adhesin® XA-7594™</b> <b>Adhesin® XA-7594™ Black</b> <b>Adhesin® XA-7594™ Black DF</b>	Pressure-sensitive acrylic emulsion adhesive; available in clear and black, and a specialty “non-foaming” grade	As our highest performing core adhesive, XA-7594™ features moderate tack and very high shear strength to withstand high temperature pressure tests used in the industry.
<b>Adhesin® XA-7584™ Black</b>	Flame-retardant, pressure-sensitive acrylic emulsion adhesive; available in black	Our finest flame-retardant adhesive with a long history in the industry; properties include high tack and good wetting and adhesion to polyester films.
<b>Adhesin® XA-7592™</b> <b>Adhesin® XA-7592™ Black</b> <b>Adhesin® XA-7592™ Black LV</b>	Pressure-sensitive acrylic emulsion adhesive; available in clear and black, and a specialty “low viscosity” grade	Features include very dark black appearance of core; it has moderate tack and shear strength with excellent roll-coating characteristics.
<b>Adhesin® Duroflex 38-8731™</b>	Pressure-sensitive acrylic co-polymer emulsion adhesive; available in clear	Specialty core adhesive with self-crosslinking properties; not a UL Recognized Component but a listed component in many manufacturer’s approved adhesives file.
<b>Adhesin® XA-7596™</b> <b>Adhesin® XA-7596™ Black</b>	Pressure-sensitive acrylic co-polymer emulsion adhesive; available in both clear and black versions	A high tack, high solids core adhesive that produces a very soft and flexible core product.

**Air connector adhesives** – These adhesives are specially designed to meet the unique needs of un-insulated air connector cores.

Product	Adhesive Type	Typical Properties
<b>Adhesin® XB-7614™</b>	Flame-retardant, pressure-sensitive acrylic emulsion adhesive; available in white	This air connector adhesive exhibits low smoking characteristics for UL Listed, metallized air connectors.
<b>Adhesin® XA-7594™</b> <b>Adhesin® XA-7594™ Gray</b>	Pressure-sensitive acrylic emulsion adhesive; available in clear and a specialty opaque gray color	For high performance air connector cores. Used primarily for foil-to-film or 2-ply clear film constructions.

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