



Solutions for a healthier planet

**ALFANTRA®**

*High-Technology*

*Hot-Melts*

Alfa Klebstoffe AG

8197 Rafz / Switzerland

[www.alfa-klebstoffe.com](http://www.alfa-klebstoffe.com)

Alfa Adhesives, Inc.

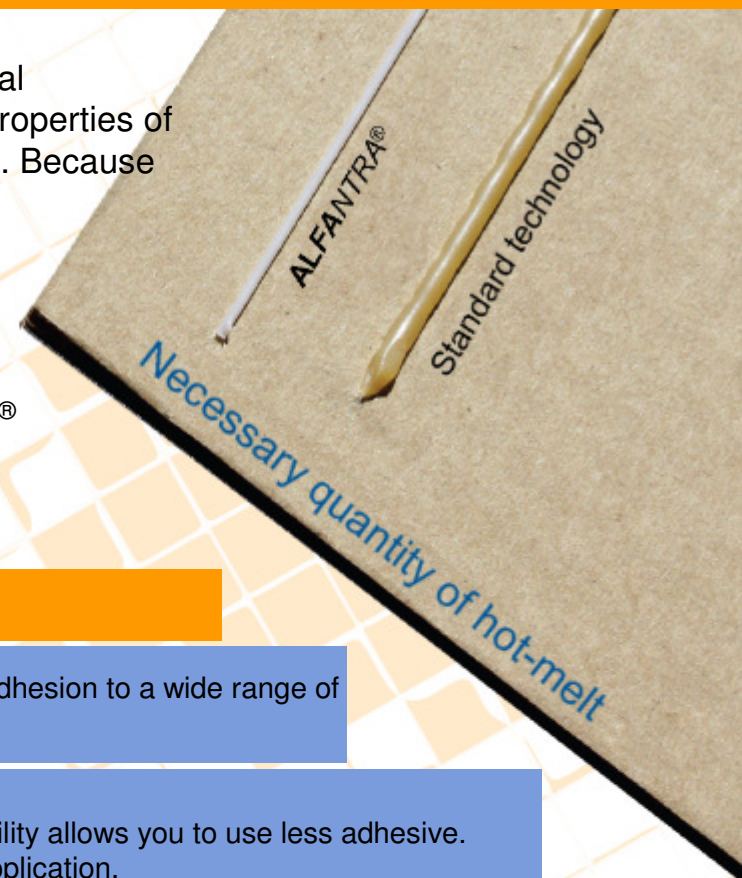
Hawthorne, NJ 07506 / U.S.A.

[www.simalfa.com](http://www.simalfa.com)

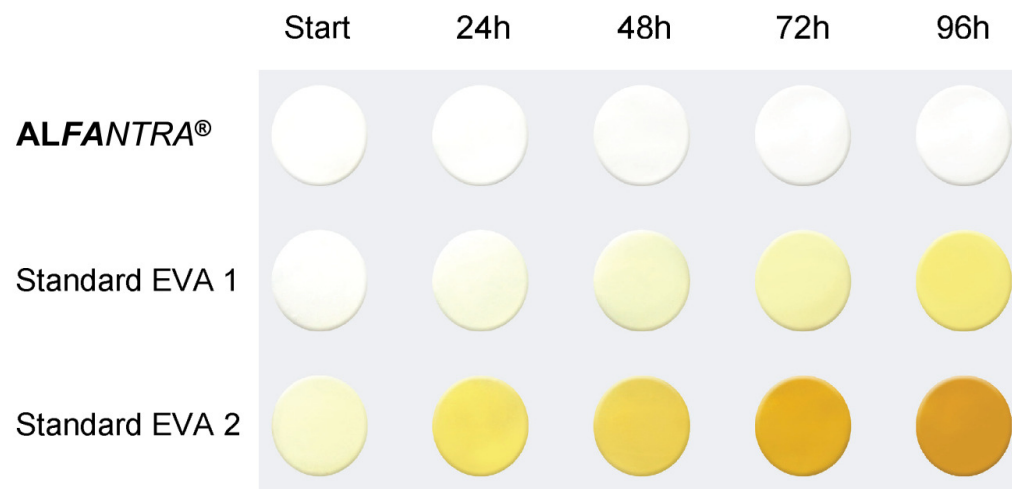
**ALFANTRA®** is a family of high performance adhesives which will allow you to save on the total adhesive cost of your packaging application. Due to the low density and aggressive bonding properties of this product, our customers are able to use less adhesive, reducing consumption considerably. Because **ALFANTRA®** runs stable in the tank you eliminate unscheduled downtime and reduce maintenance costs, significantly.

Also the versatility of this product allows performing in multiple packaging applications and on diverse substrates, including varied high-treated boards.

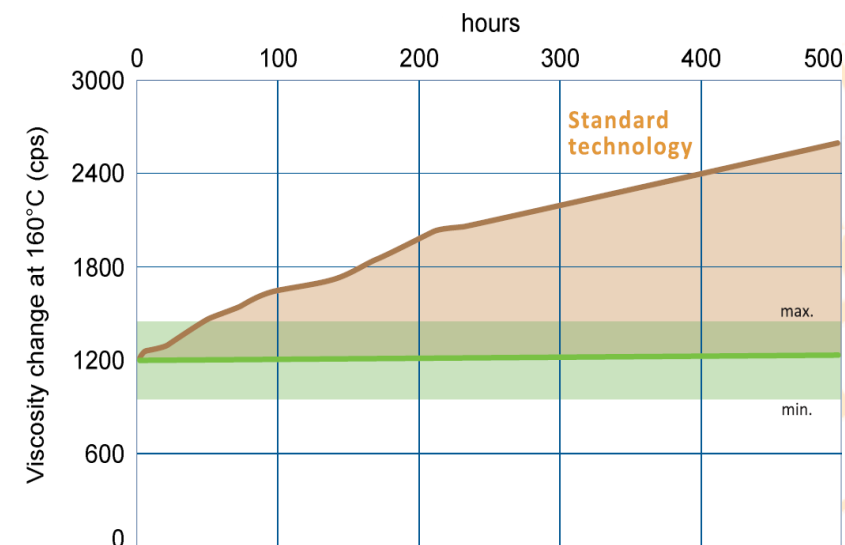
You can also add the energy savings due to our recent developments in low-melt **ALFANTRA®** adhesives.



Features	Benefits
Aggressive bonding / Versatility	One adhesive can perform in several different applications. Excellent adhesion to a wide range of difficult substrates.
Low adhesive costs	Low density, improved adhesion properties and excellent thermal stability allows you to use less adhesive. You can reduce your consumption at least 50%, depending on your application.
Less maintenance and downtime	Because <b>ALFANTRA®</b> adhesives run clean, remain stable in the tank and eliminate char and gel cost with downtime, consumables and preventive maintenance reduce significantly.
Cleaning effect	This effect will take place over a short period of time, depending on the application.
Improved thermal stability	<b>ALFANTRA®</b> hot-melts are resistant to viscosity change resulting in clean machining hour after hour.
Light colour	Superior package appearance. After 96 hours heated up to 170 °C adhesive maintains its light colour.
High heat and cold resistance	Final bond is resistant to extreme heat and cold temperatures.
Contribution to a better environment	No odour. Also, their low density contributes to making the paper/carton recycling process easier.

Comparison between **ALFANTRA®** and **EVA heated at 170°C**

## Viscosity change



**ALFA Klebstoffe AG** is able to:

- demonstrate hot-melt consumption reduction, performing the suitable test for your application.
- supply **ALFANTRA®** in the most convenient presentation format, namely in small pearls suitable for feeding systems.
- offer quality audits and technical support.
- offer technical trainings to your collaborators.

## Key Features

					BENEFITS	PRESENTATION
<i>American Boxes Wrap Around PE coated deep-freeze OPP foil Treated Paper</i>						
<b>ALFANTRA® 970/4</b>					Multipurpose for standard packaging applications. Very fast open and setting time. Extremely thermostable.	<b>Pearls</b>
<b>ALFANTRA® 960/6</b>					Multipurpose for standard packaging applications. Medium open and setting time. Good hot-tack. Improved adhesion. Good cold flexibility. Extremely thermostable.	<b>Pearls</b>
<b>ALFANTRA® 650/8</b>					Low viscosity for standard packaging applications. Fast setting-time. Extremely thermostable.	<b>Pearls</b>
<b>ALFANTRA® 990/7</b>					Improved adhesion to difficult substrates. Suitable for deep-freeze applications. Long open and setting-time. Excellent cold flexibility. Extremely thermostable.	<b>Pillows</b>
<b>ALFANTRA® 980/12</b>					Enhanced adhesion. Especially developed to bond carton boxes coated with PP. Extremely thermostable.	<b>0.5 kg blocks</b>

## Specifications

	Chemical base	Viscosity mPas at 160 °C	Softening point °C	Appearance	Open time s	Setting time s	SAFT °C	Deep-freeze resistance °C
<b>ALFANTRA® 970/4</b>	POP	1000	106	White	3 - 4	0.5 - 1	70	-25
<b>ALFANTRA® 960/6</b>	POP	1200	103	White	10 - 11	2	70	-40
<b>ALFANTRA® 650/8</b>	POP	550	105	White	5 - 6	1	70	-30
<b>ALFANTRA® 990/7</b>	POP	1300	100	White	9 - 10	5	65	-40
<b>ALFANTRA® 980/12</b>	POP	1500	99	White	12 - 13	6	55	-30

This publication is intended to serve only as a guide. The information is given as typical values and is the result of our best knowledge and internal tests. However it is the purchasers's responsibility to test and determine suitability of a product for the purchasers intended use.

## Cleaning check-list

- 1 Empty the tank by opening drain valve and set the pump pressure to 0 bar.
- 2 Remove impurities and carbonized hot-melt with a wooden spatula and clean the tank. Discharge the cleaner through the drain valve.
- 3 Fill in **ALFANTRA**<sup>®</sup> and melt it at the adequate working temperature. Empty the tank once again through the drain valve and refill the tank.
- 4 Release a sufficient amount of molten **ALFANTRA**<sup>®</sup> through the hoses and application heads to remove old adhesive. Verify the need of changing filters.
- 5 Set all the working parameters to start with **ALFANTRA**<sup>®</sup> (please check our data sheets or ask our technicians).
- 6 If necessary change to lower dimension application heads to optimize consumption.