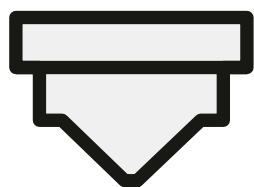


FELIX
GLUER



ADHESIVES



FG : MELT I11

Performance: long open time HMPSA
optimum setting time

Substrates: hard to bond laminated cardboard, foam

Industries: big dimensional special design packages
and POS displays

HOT MELT


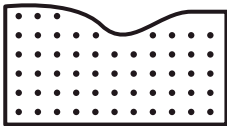
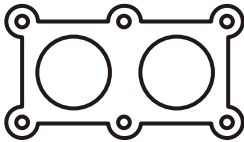
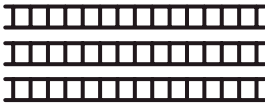
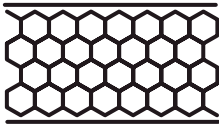
LET'S STICK TOGETHER

www.felix-gluer.com

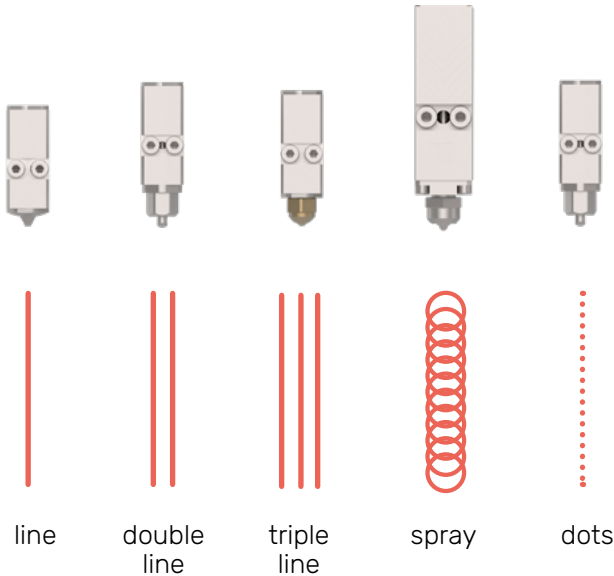


FG : MELT I11 PERFORMANCE

High performance adhesive that is approved by
FELIX GLUER plotters

OPTIMUM OPEN AND SETTING TIME FOR BELOW SUBSTRATES		
CORRUGATED CARDBOARD	FOAM: EVA, PE, PP, PU	PLASTIC: HDPE, PP, PE
 FINISH: raw, offset printed, digitally printed, varnish, foil, metalized foil, soft touch foil		
	PP HOLLOW SHEETS	HONEYCOMB SHEETS
		

CUSTOMIZED FOR NOZZLE APPLICATION



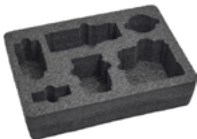
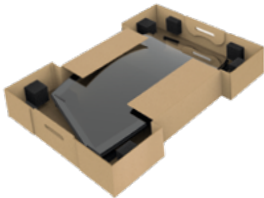
APPLICATIONS / PRODUCTS

- Corrugated POS Displays with plastics
- Cases with die-cut foam inserts
- Transportation heavy duty boxes
- Honeycomb board furniture
- Hollow PP packaging
- Corrugated pallets
- Honeycomb crates












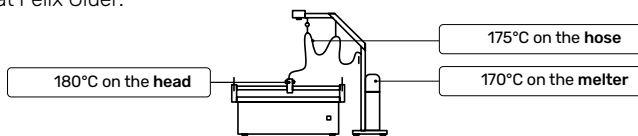






INDUSTRIES:

- Special packaging
- Logistics packaging
- Industrial packaging
- Composite packaging



Please note: the bonding result and adhesive performance can vary on the ambient temperature and humidity, material moisture and adhesive settings, like pressure and temperature.

TECHNICAL DATA SHEET OF THE ADHESIVE FG : MELT I11

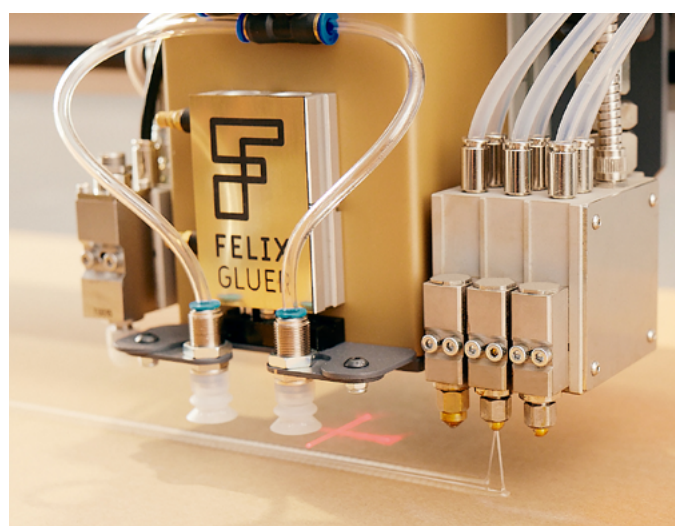
FG : MELT I11			FELIX GLUER Sp. z o.o Sikorskiego 119, 05-080 Kludyn, POLAND www.felix-gluer.com support@felix-gluer.com	
GLUE NAME	TYPE & BASE	APPEARANCE		PACKAGING
FG : MELT I11	Synthetic HMPSA	 Light yellow small (25 g) pillows	<i>Slight differences in the color of the adhesive are normal and should not be perceived as a quality problem.</i>	 12 kg/box  840 kg/pallet
CERTIFICATIONS		Fulfills FDA 175.105 . Suitable for indirect food contact. Please contact us for further documentation requests.		
CHARACTERISTIC	 High hot tack	Indicated to bond different material such as paper, cardboard and some fabrics on treated polypropylene (surface tension greater than 38 dynes / cm). It also works to treated polypropylene on treated polypropylene.		
VISCOSITY		2100 ± 300 mPas in 160°C	(Brookfield, ASTM D3236)	
SOFTENING POINT		100°C ± 5°C	(ASTM E28 Ring and Ball method)	
PREPARATION OF GLUING		The surfaces to be bonded must be free of dust, dirt, moisture, grease and other release layers. Plasticizers contained in plastics and varnishes can degrade the durability of the bond. Necessary to read MSDS for protective precautionary actions.		
WORKING TEMPERATURE	 150°C- 185°C	<div>Suggested settings at Felix Gluer:</div>		
OPEN TIME		short <input type="checkbox"/> short-medium <input type="checkbox"/> medium <input type="checkbox"/> medium-long <input type="checkbox"/> long <input checked="" type="checkbox"/> More than minute at 170°C on the pump, nozzle minimum 0.8, over 19°C ambient temperature. <i>When applied by spray, dots and small nozzles, the open time values are correspondingly lower.</i>		
SETTING TIME		short <input type="checkbox"/> short-medium <input type="checkbox"/> medium <input checked="" type="checkbox"/> medium-long <input type="checkbox"/> long <input type="checkbox"/> Depending on the insulating properties of materials, application method and material.		
STORAGE		2 years at room temperature (optimum 5°C -35°C) in the original packaging. Exposure to dirt, freezing and heat eg. direct sunlight can cause change of performance of the adhesive.		
PRECAUTIONS		Observe the operating instructions for the adhesive application equipment.		
	 Attention: hot!	The adhesive and the nozzle of the glue gun reach high temperatures that may cause burns when in contact with the skin. In case of a burn, the burned area should be poured with cold water and consult a doctor. Hot melt adhesives after exceeding recommended operating temperature generate fumes that may cause breathing difficulties. If the recommended operating temperature is exceeded for a longer period of time, some people may experience mucous membrane irritation as a result of inhaling the vapors.		
		Ensure proper ventilation of confined spaces when working with larger amounts of glue.		

Our technical data sheets and other publications are intended to provide advice according to our best knowledge. The content is not legally binding. We recommend carrying out your own tests on each material and surface, before starting production. Our general terms of sale apply.



BENEFITS OF USAGE ON THE FELIX GLUER PLOTTERS

- 30% - 40% hot melt usage reduction in comparison with manual gluing process, using the hand glue guns.
- The long open time of the hot melt allows application on the whole elements at once, which leads to overall gluing process acceleration, by even 400%.
- Precise adhesive usage calculation by each element, with the FG : Statistics tool.



CLEANING

Each gluing system requires regular cleaning. We provide a range of dedicated cleaners for FG : I11 melt users, together with cleaning schemes and cleaning services.



For more information
check the FG : Cleaners brochure

SOLID CLEANERS:



LIQUID CLEANERS:



Note: always use personal protective equipment when working with hot melts and hot melt cleaners.

WHY CHOOSE FELIX GLUER : ADHESIVES?

- Do you often find yourself left alone by your glue suppliers, having to test the adhesive on your own?
- Have you lost contracts because the adhesive you were promised would be perfect for the job turned out to be unsuitable?



made in EU

WE UNDERSTAND YOUR FRUSTRATION AND HAVE EXPERIENCED IT OURSELVES.

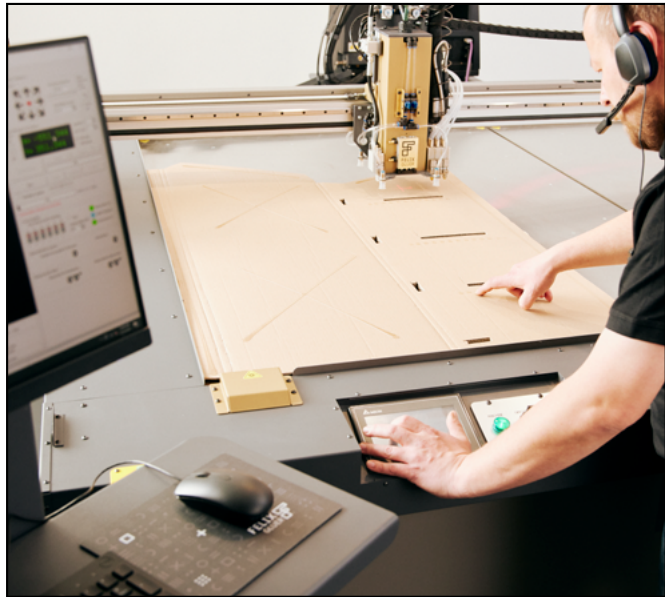
As a leading manufacturer of glue plotters, for nearly a decade, we've conducted hundreds of adhesive tests for our clients, using their materials. We've experimented with bonding of various substrates and rigorously evaluated the outcomes in challenging conditions. Having such experience, we were ready to present our own adhesive portfolio to the market. To accomplish this, we assembled a multidisciplinary team of experts

spanning chemistry, adhesive production, application, and machinery operation. Over the course of two years, we collaborated to develop a range of adhesives that would benefit both our organization and our clients. **And now, we're pleased to present our tested and certified hot melt and water-based adhesives, the ultimate solution for optimizing your adhesive processes.**

WHAT YOU GET?

FELIX GLUER : Lab Test

Using the FG : Demo plotter in our FG : Lab, we are constantly ready to conduct gluing tests on your substrates in our showroom, so this means there is no need to stop your production for glue trials.

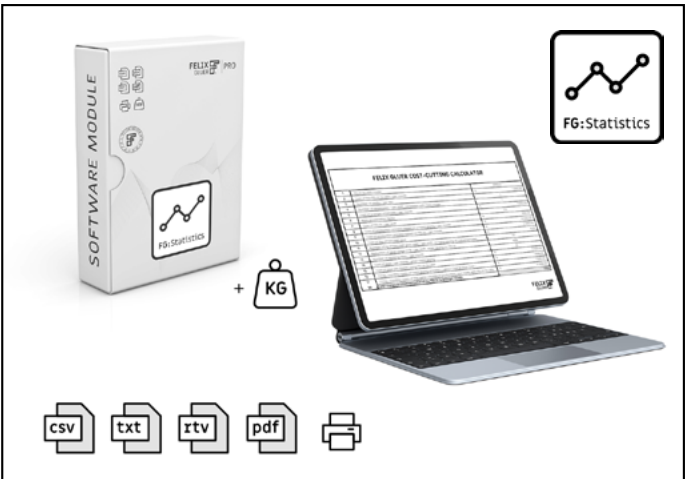


FELIX GLUER : Trainings

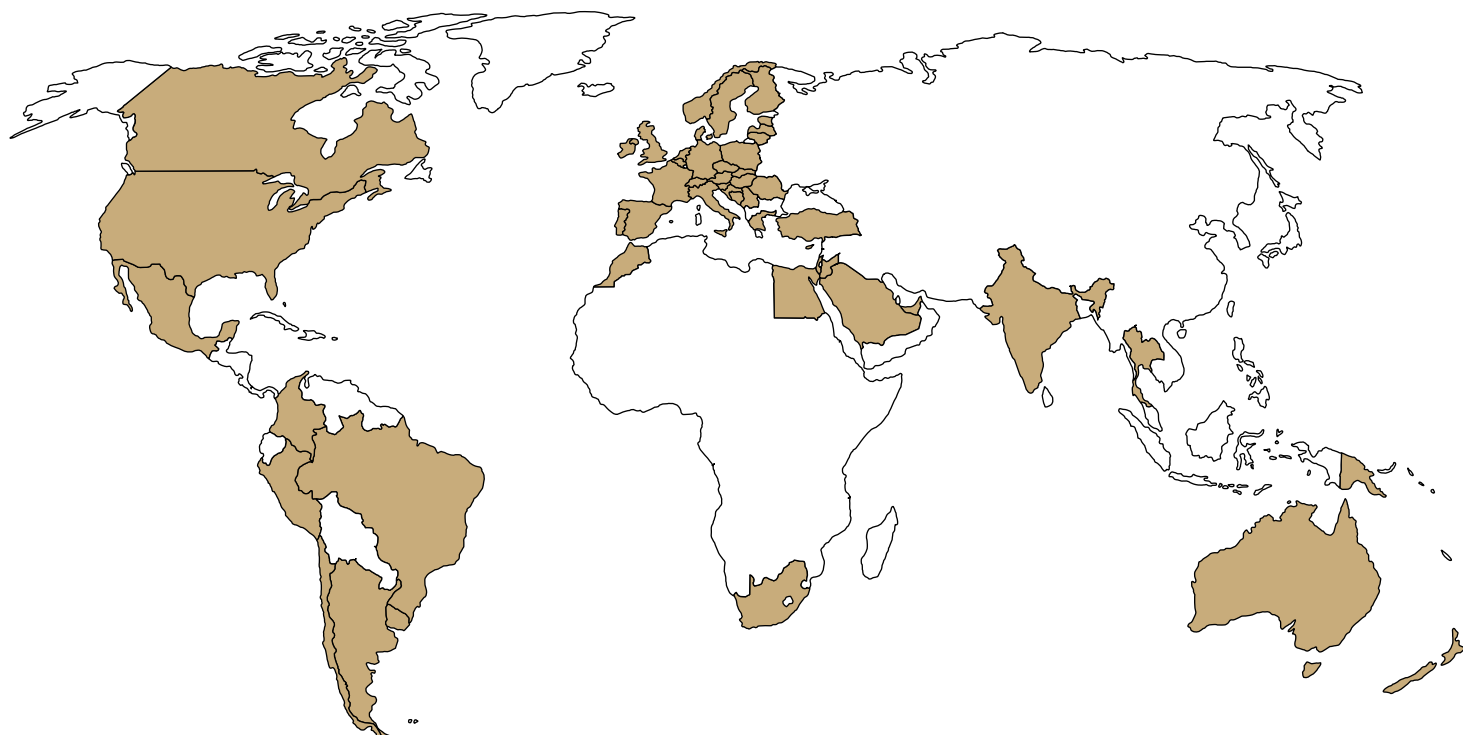
FG : Glue Expert, during glue changes and initial glue trials at your production facility, offers necessary support and technical guidance.





FELIX GLUER : Statistics

Data analyzing software module for the FG Plotter. Track glue consumption, calculate costs of gluing, reduce glue usage.



FELIX GLUER : WORLDWIDE INSTALLATIONS & PARTNERS



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