



TERMOLITE TE-90

“Edgebanding” Hot-melt



Description and applications:

Universal hot-melt adhesive formulated to be used in automatic high speed edge banders with pre-melter system incorporated such as HOMAG, STEFANI, EGURKO BARBERAN, OLIMPIC and others, suitable to bond solid wood, chipboard, HDF board, MDF, or other fine-grained wood-based materials with different kinds of edge: solid wood, veneer, polyester, HPL*, PVC*, ABS*, PP* and melamine.

* Suitable depending on the individual characteristics of the edge material and how it is primed.

Technical data:

Composition:	EVA copolymers and synthetic resins.
Packaging:	25 Kg Bag.
Appearance:	Granules.
Colour:	Natural, White, Brown, Black.

Properties:	Value:	Unity:	Standard:
Brookfield Viscosity: (200°C, TR11-6rpm)	70.000 – 90.000	mPa·s	UNE-EN 12092
Softening Point (R&B):	100 - 110	°C	UNE-EN 1238
Open Time (180°C):	Very short	---	I.M.
Application Temperature:	190 - 210	°C	---
Feed Speed (approx)(*):	20 - 50	m/min.	---

Source: Laboratory tests.
(*) Depending on environmental conditions and temperatures of materials.

Characteristics:

- High viscosity.
- Very short open time.
- High initial tack.
- Short setting time.
- High heat resistance.
- Suitable for solid wood, veneer, polyester, HPL*, PVC*, ABS*, PP* and melamine.
- Maximum edges thickness: up to 3 mm. (Depending on tension or stress of each edge to bend towards to its original shape)

TERMOLITE TE-90 is specially recommended to be used in edge banders with pre-melter systems.

Instructions for use:

In order to achieve maximum bond strength, surface must to be clean and dry. All dirt, dust, oil or other extraneous materials must be removed prior to applying adhesive.

Melting of the adhesive should be carried out with the application roller stopped. After it, put the application roller in motion and wait for the adhesive to reach its application temperature.

Adjusting of the machine should be done according to the manufacturer’s instructions.

Guide for an optimal working conditions:

- Moisture of the materials: 8-10%
- Pre-melter Temperature: 160-190°C
- Melter Temperature: 190-200°C
- Temperature of the roller : 200-210°C

Due to the variety of climates, the wide variety of materials and the differences observed in adhesion, we advice to carry out preliminary tests to achieve the optimal work conditions and the suitable weights to be applied.

During stops, the adhesive temperature should be decreased until 120°C in order to avoid adhesive degradation loss of the adhesive properties.

Melter should be cleaned regularly with a scraper, to avoid incrustations of burned adhesive, and machines should be drained with our cleaning product TECNOCLEAN.

Security and hygiene:

For further information, please request safety data sheet.

Storage:

TERMOLITE TE-90 can be storage at least 2 years in the follow conditions: Keep product in a cool (between +5 and +35 °C) dry (WR <60%) and ventilated area away from direct sunlight, heat sources and points of ignition. Avoid frost. Always store in original container tightly closed.

Cleaning:

Application tools and equipment can be cleaned with TECNOCLEAN product.

Note:
The technical information provided by QS ADHESIVES & SEALANTS, S.L., either verbally or in writing is based on our present knowledge and is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved.

The user is obliged to ensure that our products are suitable for the process and the use in question.

In any case our liability is limited to the value of goods supplied by us and used by you. We provide products with consistent quality, according to our general conditions of sale and distribution