

Preliminary Important Instructions

Thanks to carefully read the following instructions before processing Lacobel T and Matelac T glass.

AGC strongly recommends that each processor who wants to heat strengthen or toughen Lacobel T or Matelac T products should contact AGC's Technical Advisory Service (tas@agc.com) and ask for assistance from one of its Coating Coaches in setting up the toughening furnace. This will make the processing procedure smooth and easy for the customer and will limit possible risks of claims in future. If the trial is successful, the processor will receive an AGC certificate showing that they are an AGC Certified Processor of Lacobel T and Matelac T and their contact details will be listed on AGC's product website www.agc-yourglass.com. We advise to do all processing (pre-processing and tempering) in the same factory environment.

1. **Product** - Lacobel T and Matelac T must be either thermally toughened according to EN12150 or heat strengthened according to EN1863.
2. **Product** - Process Lacobel T and Matelac T within 24 months of delivery.
3. **Storage and Handling** – The Lacobel T and Matelac T stock sheets shall be stored in a dry and well ventilated area. Store and handle Lacobel T and Matelac T with care to avoid damaging its paint or staining the etched side of Matelac T. Clean off any kind of potential pollution coming in contact with the painted side and quickly and carefully dry off water and/or humidity. Upon request, a protection foil can be applied to the paint side of the glass to protect it during transport, storage and processing. This foil must be removed before tempering.
4. **Cutting** - Cut Lacobel T and Matelac T on a clean cutting table, painted side down. Use compatible volatile cutting oil and wipe it off after cutting. Perform water jet cutting on the painted side.
5. **Edge processing - Single edger** - Painted side facing the operator, use clean pads. Crossed belts: painted side face-up, use sprinklers.
6. **Edge processing - Double edger** - Painted side face-up, use clean belts. CNC: painted side face-up or facing the operator.
7. **Washing** – The Lacobel T and Matelac T shall be washed and dried after the water-jet cutting (if any) and the edge-processing in order to get rid of any pollution coming from both operations.
IN ANY CASE, the Lacobel T and Matelac T cannot stay in contact with water more than 50 minutes during the whole pre-process, from the cutting to the tempering.
8. **Heat treatment - Never use furnaces without convection.** Heat treat the glass within 5 days after edge processing and washing. Painted side face-up.
 - Furnace settings with top convection only: 690 °C top and 710 °C bottom.
 - Furnace settings with top and bottom convection: 690 °C top and 700 °C bottom.Convection: 35% of the maximum pressure top and bottom (if any), for the first 100 seconds of heating time.
9. **Enamel quality** - Test the quality of the enamel after heat treatment by touching the painted side with a wet finger: no wet stain may be visible from the glass side.
10. **Further information** - Please visit www.agc-yourglass.com - Lacobel T or Matelac T brand description - to download your language version of this Instruction Sheet or to contact AGC's Technical Advisory Services (TAS). Or visit www.youtube.com/user/yourglass to view the Lacobel T processing video.