

# Information on the High Pressure Treatment Process for TANALITH E Wood Preservative

The following information is intended as a general guide on the high pressure, full cell, industrial treatment process used for the application of TANALITH E wood preservative to produce TANALITH E pressure treated timber.



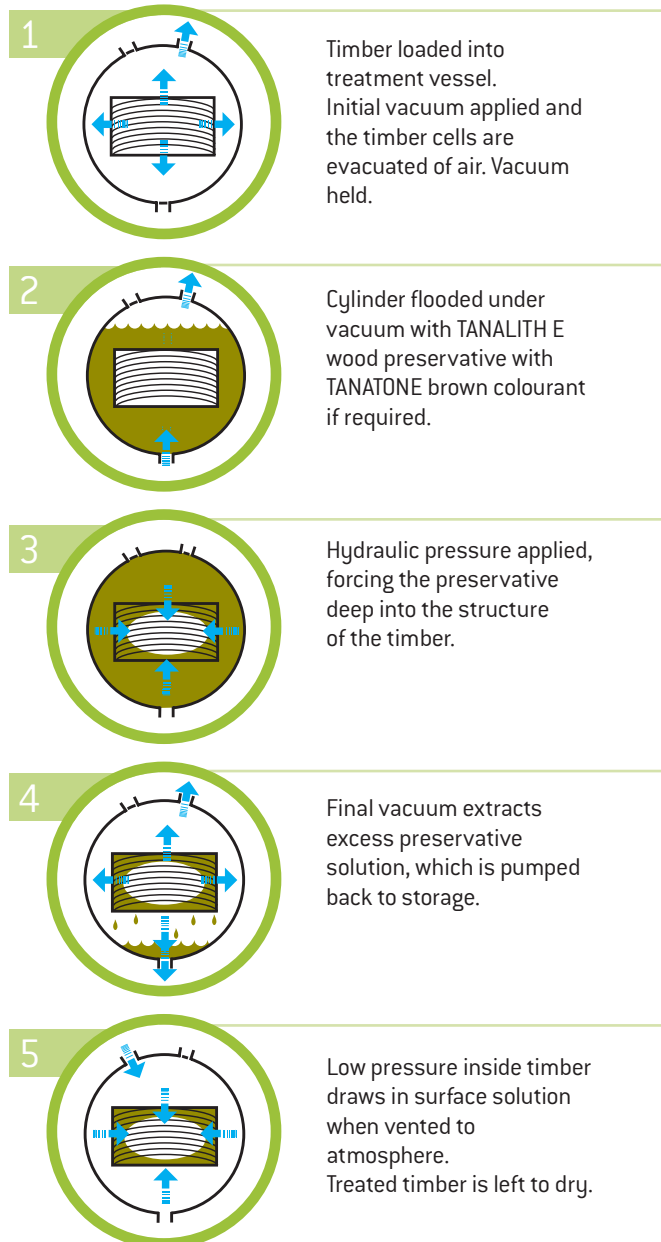
## The Treatment Process



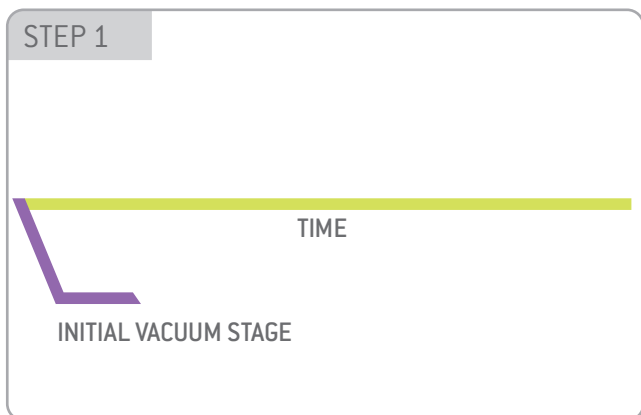
### PRESSURE TREATED TIMBER

TANALITH E pressure treated timber is timber which has been impregnated with TANALITH E wood preservative under rigidly controlled conditions in a vacuum pressure timber impregnation plant.

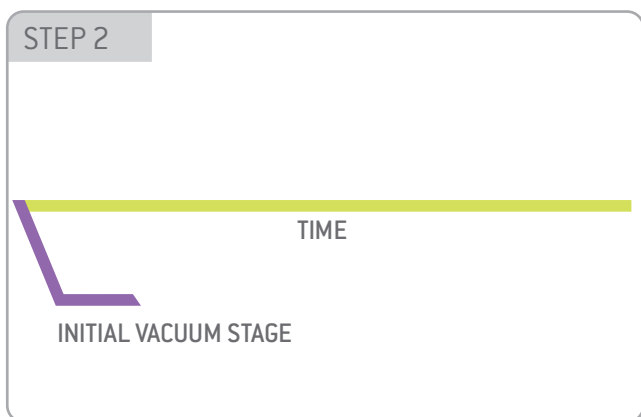
TANALITH E pressure treated timber is the proven and effective choice for fencing, decking, leisure wood, playground equipment and building applications - Use Classes 1-4 [BS EN 335].



**FULL CELL PROCESS**

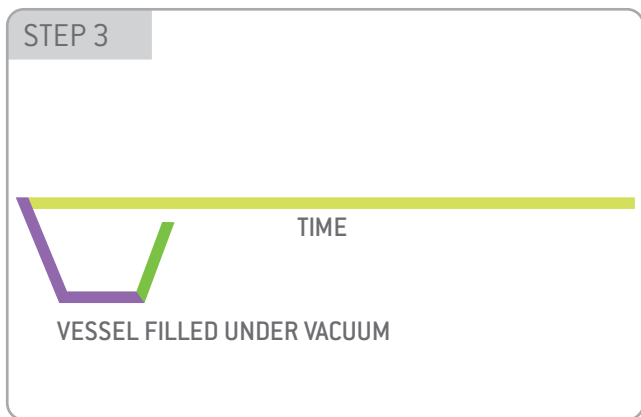


Actual vacuum and pressure intensities are dependent on specific plant circumstances and therefore intensities highlighted in the following slides are a guideline only.



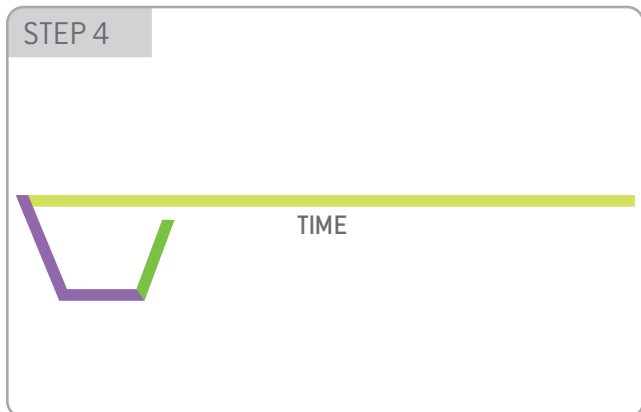
Open Vacuum Valve.  
Start Vacuum Pump.

Cycle Code	Initial Vacuum	Time
E1	800 mbar	5 mins
E3	800 mbar	15 mins
E4	800 mbar	30 mins



Main Flood Valve.

Cycle Code	Initial Vacuum	Time
E1	800 mbar	5 mins
E3	800 mbar	15 mins
E4	800 mbar	30 mins

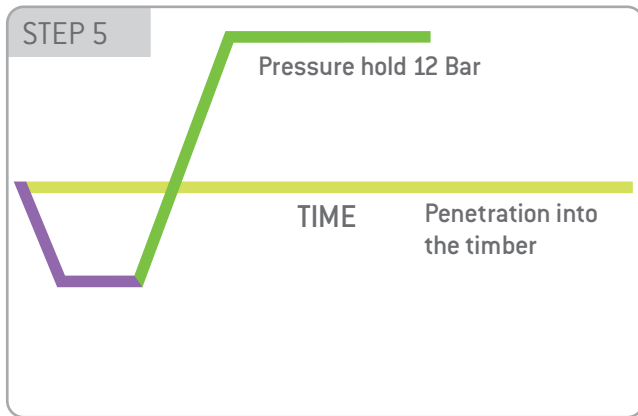


When full, turn off Vacuum Pump and close Vacuum Valve.

Close main Flood Valve when vessel is full.

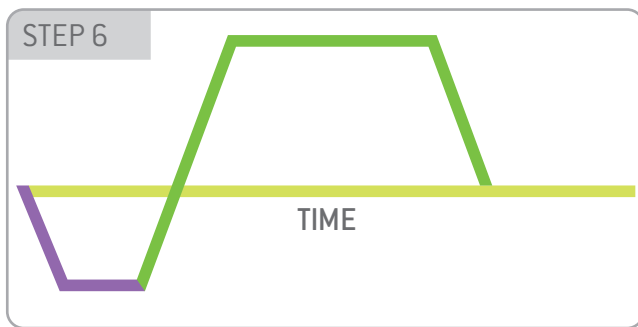
Cycle Code	Initial Vacuum	Time
E1	800 mbar	5 mins
E3	800 mbar	15 mins
E4	800 mbar	30 mins

**FULL CELL PROCESS**



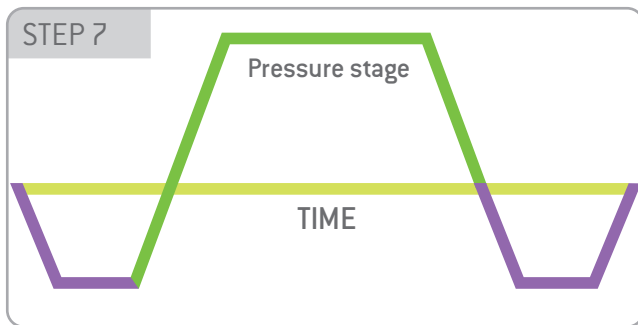
Open Pressure Pump Valve.  
Start Pressure Pump.  
Main Flood Valve is closed.

Cycle Code	Initial Vacuum	Time	Pressure	Time
E1	800 mbar	5 mins	12 bar	5 mins
E3	800 mbar	15 mins	12 bar	30 mins
E4	800 mbar	30 mins	12 bar	120 mins



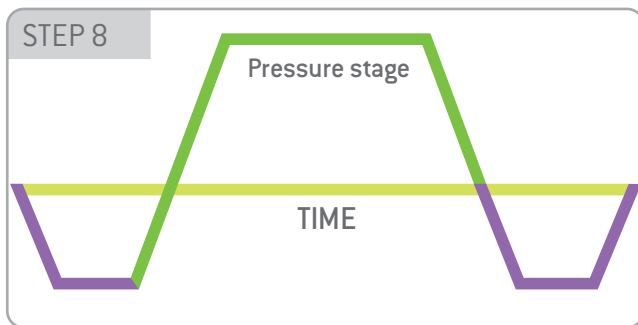
Vent pressure.  
Open Main Flood Valve.  
Start empty phase.

Cycle Code	Initial Vacuum	Time	Pressure	Time
E1	800 mbar	5 mins	12 bar	5 mins
E3	800 mbar	15 mins	12 bar	30 mins
E4	800 mbar	30 mins	12 bar	120 mins



Start Vacuum Pump.

Cycle Code	Initial Vacuum	Time	Pressure	Time	Final Vacuum
E1	800 mbar	5 mins	12 bar	5 mins	800 mbar
E3	800 mbar	15 mins	12 bar	30 mins	800 mbar
E4	800 mbar	30 mins	12 bar	120 mins	800 mbar



Vent final vacuum.

Cycle Code	Initial Vacuum	Time	Pressure	Time	Final Vacuum
E1	800 mbar	5 mins	12 bar	5 mins	800 mbar
E3	800 mbar	15 mins	12 bar	30 mins	800 mbar
E4	800 mbar	30 mins	12 bar	120 mins	800 mbar