

THERMOVACUUM WOOD PRODUCED BY WDE CUSTOMERS AFTER 12 MONTHS OF PROJECT STARTS

DELIVERABLE D_5.7
TV4NEWOOD PROJECT

AGREEMENT NUMBER:
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As mentioned in D_5.6 the first plant TVS LOLA 2.5 is the only one that went into production within 12 month of the project.

The second plant in Norway started production in September 2014 (13 months project).

The months in which the first plant was active were May, June, July 2014. In August the company was close for summer holydays.

During the three months several problems occurred during initial wood production (partner ECW involved), most of which related to machine failures. In addition to downtime, some lots of wood products were wasted or were not usable (for instance those manufactured with thermal probe not calibrated or defective; machine's fans not properly running). These delay are in addition to those related to bad atmospheric conditions during machine installation (ECW production site is on the mountain on open air; the snow and the cold temperature didn't allowed the casting of concrete and its drying). Some preventive actions were included in Operation Manual for reducing the risk (or avoid it) in concrete base preparation for machine positioning. But in the meantime the unexpected bad weather conditions had delayed the delivery and commissioning on about two months. This has influenced consequently the supplying of untreated wood and the production of TVW essences.

CUSTOMER	COUNTRIES	NAME/TYPE OF TVW PLANT	SERIAL NUMBER	Wood thickness 27 MM	Wood thickness 50 MM	Wood thickness media	Prod. Loss 30%
ECOLWOOD	FRANCE	TVS LOLA 2.5	420/14	11,6	13	12,3	8,61

PRODUCTION OF THERMOVACUUM WOOD

In the first three months of production were produced 69 mc of thermo vacuum wood. Production started with 15 days of starting phase and some production cycle were done with half capacity. One cycle as been done every 3 day for a total of 16 wood treatments (for 48 working days).

In these 16 wood treatments about 30% of wood were treated as waste.

For this firsts productions were used essences in stock.

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