Monitoring of Pressing Process in Advanced Formwork Composites I.

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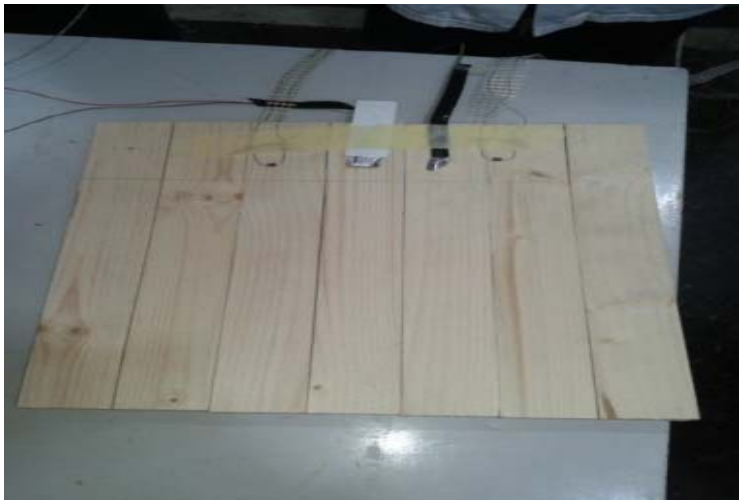
- spruce slats with a thickness of 9 mm were used in all structures as the **core layer**
- surface layer were formed by four alternatives:
    a. spruce slats
    b. three-ply birch plywood with a thickness of 4 mm
    c. three-ply birch plywood with a thickness of 6 mm and
    d. OSB
- moisture content of all materials during the time of experiment was w = 10 ± 1%



1. to reach the required temperature of 90 ° C in bonded joint during the interval of minimally 90 s even when the pressing temperature of 110 °C is used
2. by optimizing of the pressing time to achieve the time and thus energy savings as well; the time achievable savings depending on the material used in the surface layer is at the level of 3.0 to 6.5 %