

# IMPROVEMENTS IN TESTING LABORATORIES AND ISSUES

EXPLANATION: STATUS OF PROGRESS  
AND ISSUES



Through the training carried out and the materials received, especially Lecture-1, we tried to implement some improvements in our testing processes and procedures.

- 1º - Rigid urethane foam board duct (known thermal conductivity and heat transfer coefficient and better thermal insulation, airtightness and less heat leakage).
- 2º - Preparation of wicks (washing hands or wearing gloves, using purified water for degreasing the electric kettle).

1º -

After the completion of the second part (STEP-2) of the training, we committed to implement the use of rigid urethane foam board duct, however, we could not find a supplier in Brazil that has the desired thermal conductivity, so since then we have been using polystyrene boards for the duct.

2º -

For this second point, these additional precautions were established in the laboratory and have been used since then as a standard procedure for preparing the wicks that will be used for the energy efficiency tests of air conditioners.