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Paraffin wax as self-sealing insulation material for seasonal sensible heat storages - Enhancement of thermal performance - Temperature Records

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ABSTRACT

This supplement to the article "*Paraffin wax as self-sealing insulation material for seasonal sensible heat storage systems – A laboratory study*" contains the temperature data recorded in the laboratory for section 2.1 "*Enhancement of thermal performance*".

Keywords: heat storage,
seasonal storage, pit thermal
energy storages

This supplement to the article *"Paraffin wax as self-sealing insulation material for seasonal sensible heat storage systems – A laboratory study"* contains the temperature data recorded in the laboratory for subsection 2.1 *"Enhancement of thermal performance"*.

Both the raw data of the temperature logging system and the cropped and labeled (with regard to sensor positions) records of all evaluated individual test iterations are provided.

1. Sealing material: PVC foil Target temperature: 34 °C

☐ 2019-04-02_PVC_34-C_raw.csv

☐ 2019-04-02_PVC_34-C_labeled_cropped.csv

2. Sealing material: PVC foil Target temperature: 35 °C

☐ 2019-02-07_PVC_35-C_raw.csv

☐ 2019-02-07_PVC_35-C_labeled_cropped.csv

3. Sealing material: PVC foil Target temperature: 36 °C

☐ 2019-03-26_PVC_36-C_raw.csv

☐ 2019-03-26_PVC_36-C_labeled_cropped.csv

4. Sealing material: PVC foil Target temperature: 38 °C

☐ 2019-02-11_PVC_38-C_raw.csv

☐ 2019-02-11_PVC_38-C_labeled_cropped.csv

5. Sealing material: PVC foil Target temperature: 40 °C

☐ 2019-04-16_PVC_40-C_raw.csv

☐ 2019-04-16_PVC_40-C_labeled_cropped.csv

6. Sealing material: PS plates Target temperature: 34 °C

☐ 2019-06-05_PS_34-C_raw.csv

☐ 2019-06-05_PS_34-C_labeled_cropped.csv