



ELECTRIC HEATING ELEMENT STORAGE CONDITIONS

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This regulation determines the conditions and requirements for storage of electric heating elements made in Backer Elektro a.s.

General

- Electric heating elements must be stored in a dry, dust-free environment so that their damage and deformation does not take place and that the elements do not lose their electrical parameters, namely the insulating condition.
- Heating elements must be protected against harmful effects, such as mechanical damage, weather or chemical effects.
- The products must not be loaded at one side, bent, and stacked.
- Heating elements must be stowed so that dust sedimentation on the elements is prevented.

Special Requirements

- The environment for element storage must not have a relative humidity of air higher than 50%.
- The temperature in the storage environment should be stable, ideally within the range of 10 to 35 °C and must not exceed the design limits of the materials from which the elements and their components are made.
- After longer storage (generally 6 months), it is necessary to verify the electrically compliant insulating condition of the elements. In case the test result is not in accordance with the requirements, it is necessary to dry the heating elements using an external heat source at a temperature of 150-180 °C for at least 5 hours or until the required electrical parameters are achieved, but only those elements whose material design allows for that, especially from the standpoint of temperature resistance of the putty and other components used.
- Long heating elements must be stored in the horizontal position while the distance of the supports must not be larger than 1,500 mm.
- The products must not be stored together with organic solvents, products containing solvents, and other chemicals where the inertness to the stored products is not guaranteed.
- The elements must be stored so that their deformation does not take place.

Storage Space Specifications

- The place must be fully protected against weather effects, i.e. in an enclosed place where direct weather effects are completely foreclosed.
- Presence of water from any source and in any form must be foreclosed.
- Chemical effects arising due to salt aerosols must be foreclosed.

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Issued by: Ing. T. Malina

Approved by: M. Vodrážka