



Installation of Solar Thermal Systems

Rudi Moschik

AEE - Institute for Sustainable Technologies

A-8200 Gleisdorf, Feldgasse 2

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- Installations of solar thermal systems



- Tanks should be designed for outdoor use
- Connection pipes should have a steady inclination
- Pressure is depending on installed height of overhead tank
- Shade in winter time - required distance of 1,6 m with inclination 40°
- Frame structure



- Connection pipes should have a steady inclination
- Strong frame structure required



- Avoid leakages
- Loss of water and energy



- Fixation of pipes
- Installation of filling tank will reduce the hot water supply pressure



- Missing safety components (air release, PRV, filling and flushing valves)
- Installation of expansion tank including maintenance connection fitting
- Mix of different materials



- Insulation and other components have to be protected against humidity and radiation











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An aerial photograph of a modern building complex. The main building has a large, tilted roof covered in solar panels. To the right, there is a smaller, single-story building with a corrugated metal roof. The complex is surrounded by a paved courtyard and some greenery. In the background, there are trees and other buildings under a clear blue sky.

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IDEA TO ACTION

**Thank you
for your Attention**