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Gas channel lining method for e.g. smoke removal channel for central heating system, by radially expanding plastic tube with flow of hot air

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Samenvatting van NL1024019 (C1)

A plastic tube inserted into the gas channel is heated with hot air and then its ends are closed and a pressurised gas containing a softening agent is introduced in order to radially expand the tube against the inside of the channel. - A method for lining a gas channel, especially a smoke fume channel or air channel comprises the following steps: - (1) introducing a tube made from a certain plastic material into the channel, which has relatively thick wall and a significantly smaller diameter than the channel; - (2) heating the tube with a flow of hot air; - (3) closing the ends of the tube and introducing a pressurised gas containing a softening agent so that the tube is expanded in its radial direction and pressed against the inside of the channel, the softening agent being one which allows the plastic to harden again; - (4) removing the pressure from inside the expanded pipe and flushing it with air; and - (5) checking the lined channel for gas tightness.