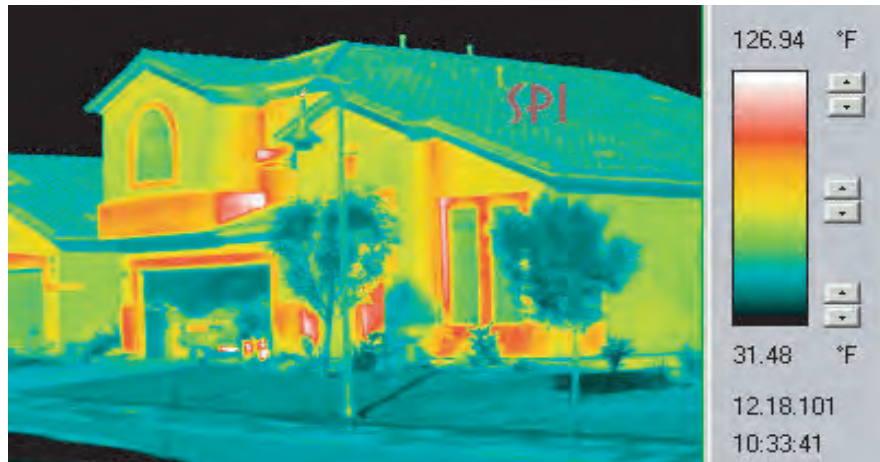


FRAME SEALING BAND SYSTEM

BACKGROUND

Thermal insulating materials base on the principle of containing dry air and preventing it from moving. Many carefully calculated structures yield in practice a very much lower insulating effect than intended. This is mainly due to areas that have too little or no insulation at all and the presence of gaps in air barriers.

The thermographic camera picture shows the largest heat leaks here are around the doors and windows.



A common reason for unnecessary heat-loss is the lack of proper insulation around door- & window frames or faulty installed air barriers and wind- & water shields in those areas. These factors have a very negative effect on the total insulation effect of the surrounding wall.

This example shows how a relatively small-sized error can destroy the insulation effect of a large area: Under normal conditions, over five times more heat will escape through a tiny gap of only 0,1% in an insulated m², than through the layer of 150 mm thick insulation with vapour barrier around it. This means that the U-value for this m² is five times worse (higher) than it would be without this gap! An additional problem is that the escaping warmer air can carry high concentrations of water vapour into the wall that, when trapped behind typical plastic foils, can create various serious problems there.

DESCRIPTION

Installation-system consisting of the sealing band, a compression strip and clear graphical instructions. Linen sealing band simplifies and accelerates the installation of doors & windows in the building frame.

Isolina has developed this product in cooperation with one of Finland's leading house factories to guarantee insulation where it counts: linen sealing band ensures a perfect seal all around the door and window frames, whereby the insulation effect is as good as in the surrounding insulated walls. Installation takes place at the same time as the door & window frames are placed in the building frame.

* Isolina frame sealing band does not collapse over time, does not deteriorate from the influence of sunlight or frost, can be installed at every temperature and does not contain harmful substances.

INSTALLATION

Sealing band can be installed for new buildings or during renovation works of existing houses. Please familiarise yourself with the separately downloadable installation instructions that guide you step-by-step through the total installation process by means of clear photographs and texts.

ISOLINA PRODUCTS ARE MANUFACTURED IN FINLAND

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