

## Training

Installers of RAUFERNO must be trained by a recognised scheme for 'fire product Installation'.

## Glazing

When glazing float glass goes to the fire side with fire resistant glass to the outside. All glazing shall comply with the manufacturer's fire test only (NOTE, not all fire glass is certified for use in RAUFERNO frames).

## Modification

Alterations to RAUFERNO frames are not permitted and may result in the frames performance and certification being classed null and void.

## Sealing to Structural Opening

Clearance Gap	Installation Detail
Gaps up to 10mm	<ul style="list-style-type: none"> <li>▪ Intumescent acrylic mastic to internal face</li> <li>▪ Fire Rated Silicon to external face*</li> <li>▪ Steel anchor fixing to be used</li> </ul> <p>*Silicone shall have been previously tested to the unexposed face of a fire resistance test to BS476: Part 20-22: 1987 and shall not have been the cause of sustained flaming for the required 30minutes.</p>
Between 11 to 20mm	As above, plus mineral fibre packaging between frame and wall. Larger voids must be packed either mineral wool (fire resistant following manufacturers recommendations), steel or bricks and mortar

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## Supporting Construction

*Brickwork & Steelwork* – It is assumed that the supporting structure is composed of masonry, concrete or steelwork and that it is both capable of effectively supporting the proposed constructions for the required 30 minutes and has adequate fire resisting properties

*Installation within Timber Stud Supporting Construction:* It is proposed that glazed elements may be installed within plasterboard clad, timber stud and supporting constructions. Installation within such supporting constructions is approved providing the following requirements are complied with:

- The supporting construction has available test data supporting its fire resistance performance for a minimum period of 30 minutes.
- The aperture provided within the supporting wall should be provided with a timber stud lining.
- The frame must be securely fixed to the lining stud using steel fixings and the gap between the frame and supporting wall should be treated as per table above.

## Fixings

Remove intumescent strip from glazing rebate & keep to one side. Installation fixing bolts need to be counter bored so that the head locates on the reinforcement. When bolt is in position seal the counter bore with fire rated silicone before replacing the intumescent strip.

The perimeter of the frame is to be fixed to the supporting construction using steel fixings at 500mm maximum centres. The fixings must be of the appropriate type for the supporting construction and must penetrate to a minimum depth of 40mm. Sealing of the RAUFERNO window must use fire rated silicone for external applications (or where there is excessive condensation) and intumescent mastic for internal use.

## General

For general details see REHAU Window Systems Installation and Maintenance Recommendations.

## Disclaimer

All statements, technical information and recommendations are based on experience and are to the best of our knowledge correct but are given without obligation and for guidance purposes only. Their accuracy or completeness is not guaranteed. The suitability of any REHAU products for a specific application should be checked by the client/contractor in advance". Copy of REHAU test assessment 107515 Issue 5 available on request.