

Sealing CF substructure insulation profiles.

The sealing detail of ground level and below ground level window and door elements incorporating COMPACFOAM is one of the most important interfaces in the building process. A waterproof sealing system must be used to ensure the interface between the COMPACFOAM and the adjacent building substrates does not allow water ingress. Liquid plastic or bitumen-based sealants and membranes are recommended for this purpose. COMPACFOAM is compatible with a range of products which can be used to achieve a waterproof barrier.

Sealing compacfoam with bitumen mesh.

If heat applied (torch-on) bitumen membranes are chosen then the applicator must only apply the flame or hot air to the COMPACFOAM for a very short time as the material is not resistant to intense heat. We recommend that the bitumen membrane is heated away from the COMPACFOAM and then rolled onto the surface of the material while the bitumen shows a hot liquefied adhesion surface. It may be necessary to mechanically press or roll the membrane against the surfaces to achieve sufficient adhesion. If necessary, and possible with the chosen product, the heat can be re-applied to the outer face of the membrane as a flash over process to consolidate the adhesion of the waterproofing material.

As with all materials in fire behaviour class B1, the processor must of course ensure that he avoids direct contact between the building material and the flame in order not to ignite the building material.

Sealing compacfoam with liquid plastics.

COMPACFOAM is compatible with a number of liquid plastic membrane systems. Please see the current list of approved liquid plastics at the following link. These approved products have been tested for compatibility and adhesion to the COMPACFOAM material. If a primer is specified on the approved list, it must be used!



Approved liquid plastics for sealing.

The following liquid plastics are approved for application with COMPACFOAM:

Manufacturer	Primer	Insulation
Bauder	-	Bauder LIQUITEC PU
Enke	Enke Betoncoat Primer 2 K	Enkopur
Enke	-	Enkolan
Soprema	Alsan EPR	Alsan770/770TX
Soprema	Alsan EPR	Alsan Flashing Quadro
Soprema	Alsan EPR	Soprema Campolin
Triflex	-	Triflex SmartTec
Triflex	Triflex Pox R100	Triflex ProDetail
Kemper System	Kempertec R	Kemperol 2K-PUR
Kemper System	Kempertec EP5	Kemperol 2K-PUR
Kemper System	-	Kemperol 1K-SF
Franken Systems	-	Frankosil 1K Plus
swisspor		Bikucoat SMP Eco
swisspor/ Westwood	Enke Betoncoat Primer 2 K sprinkled with Quartz sand	Wecryl R 230 thix
Sika	-	Sikalastic 625N
Sika	Sikalastic Rapid Scratch Coat	Sikalastic Rapid 722
Remmers		MB PUReactive TX (with fleece reinforcement)
Remmers		MB 2K (two layer)