

Case Study: Synthon 3,000m² Office Development.

Description: New Build Offices in **NIJMEGEN, NETHERLANDS**

ThermaSkirt Profile: Deco PR in RAL 7011

Client: BAM Construction (Holland)



ThermaSkirt provides the heating and skirting in one – here seen at floor level, & matching the window frames.

The Challenge:

Originally designed with floor mounted designer radiators to combat heat losses through the floor to ceiling glass windows, it was only very late on in the project that the architects realised the visual impact they would make. Being visible from the outside, and spoiling the vista from the inside, the large bulky radiators were more disaster than designer, and as the 1st fix pipework was already in, alternative options were limited.

The Architects and M&E Consultants set about trying to find a discreet alternative wet heating system, and using Google, came across ThermaSkirt, distributed in Holland by Heat & Design Ltd of Amsterdam.

The Solution:

As Seen on Dragons Den, ThermaSkirt is a radiant panel designed as a skirting board, providing a gentle and energy efficient heat, all around the room at low level. The product was also available as a floor mounted

‘threshold heater’ designed to be lay flat on its back, along the floor beneath full opening patio sun-fold doors etc.

The Architects recognised the opportunity to floor mount the ThermaSkirt giving them a completely clear view through the windows and a more evenly distributed and comfortable heat around the offices.

Even more exciting was the ability to colour match the ThermaSkirt profile and covers to the windows in a dark green (RAL 7011) colour. The results were remarkable with a practically invisible heating system with improved energy efficiency and lower running cost. In addition, the whole solution worked out considerably cheaper, lighter and quicker to install than the original designer radiators.



Designer radiators (inset) would have spoiled the look inside & out. ThermaSkirt saved the view and reduced costs.

The Result

The Savings were as follows:

	ThermaSkirt	Designer Radiators	Savings
Quantity	320m	172 units	
Materials cost	€11,900	€31,820	63% ~(€20,000)
Weight	400kg	6,000kg	93% (5,400kg)
Connections	12 x Feed/Returns	172 feeds/returns	93% + 200m of pipework
Installation Time/Cost	128 hours (€5,120)	430 hours (€17,200)	70% (>60 man/days)
Water Content	160 litres	2,064 litres	92% (1,800l)