

<b>Object</b>	<b>Architecture presents magnificent spectacle</b>
Subtitle	Grand Canal Theatre / Dublin
Place	Dublin
Period of execution	2010
Task	Complex wall and floor tiling at the theatre
Object size	3,300 sq. m
Products used	PCI Pecilastic, PCI Nanolight, PCI Nanofug, PCI Seccoral 2K, PCI Pecitape, PCI Pacidur, PCI Durafug, PCI Carrament, PCI Carrafug
Client	Dun Laoghaire Harbour Company (DLHC)
Architect:	Daniel Libeskind, New York RWHL, London
Building promoter	John Sisk & Son, Dublin
Company	Tudor Tiles, Dundrum
Expert advice	PCI Sales Manager for Ireland: Tom McCarthy

## Description

A theatre and opera of worldwide recognition has been built in the Dublin Docklands under the aegis of the world renowned New York architect Daniel Libeskind in close cooperation with the London based architect office RWHL. With its 13,000 sq. m and construction costs of 75 million euros, the Grand Central Theatre is embedded in a €196 million total complex consisting of glazed office and residential buildings, a 5 star hotel and an artfully decorated piazza. In front of the water, the theatre rises as a chamfered show case with an impressive façade consisting of two overlapping, oversized glass walls, so that when entering the theatre the visitor gets the impression as if he was walking through a stage curtain. The architect has achieved to put the visitor himself on stage and making him a part of the architectural play. Furthermore, the theatre itself became the stage for PCI Ireland special products that were used for tiling the 3,300 sq. m. Right from the start, Tom McCarthy, PCI sales manager, was actively involved in the project and supported the main building contractor, John Sisk & Son, and the appointed tiling contractor, Tudor Tiles, with significant technical advice throughout the construction.

Floor and wall tiling was fixed with **PCI Nanolight** and grouted with **PCI Nanofug**. Prior to that, the cracks on the concrete floor of the main foyer were pre-treated with **PCI Pecilastic**, an isolating fabric underlay. The shower areas, for performers as well as staff, were waterproofed with **PCI Seccoral 2K**. The shower cubicles were constructed with **PCI Pacidur** boards, and for waterproofing the corner and connection joints the special waterproofing tape system **PCI Pecitape** was applied. **PCI Durafug**, a resistant special grout, was used in the commercial kitchen areas including the floor in the reception bar as well as the rooftop terrace which offers the visitor impressive panoramic views over the port of Dublin City. The large slabs of unique Limestone and Sandstone were fixed with **PCI Carrament** and grouted with **PCI Carrafug**, products that have been developed especially for fixing natural stone slabs. A specific feature of these natural stone slabs are the inverted letters inscribed in their surface which was to denote the importance of Irish writers such as James Joyce, Oscar Wilde, Samuel Beckett, George Bernard Shaw etc. to the world of literature. Since March 2010, when the Grand Canal Theatre has opened its doors to the public for the first time, it has been one of Dublin's shining stars in terms of culture and architecture and a unique showcase project for PCI.