



Photo courtesy of Benson

One World Trade Center, New York, USA

Architects: David Childs, Daniel Libeskind, Skidmore, Owings & Merrill, Chicago, Illinois

Next to the site of the former Twin Towers, the One World Trade Center rises above the 9/11 memorial. For the bright accentuated edges of the chamfered structure, the architects requested a surface that should have the proven mechanical and dirt-repellent properties of patterned stainless steel while being somewhat brighter than the commercially available "Linen" finish. Based on digital technology, the supplier developed a new method which produces a true random pattern without any repetitive structures. It makes the surface effect essentially independent of the viewing angle or the angle of incident light and provides maximum consistency.

Details

Environment:	Urban
Fabrication process:	Brake forming
Grade and finish:	316L, patterned ("Laser")
Material thickness:	Face panel 2 mm, corrugated back pan 1 mm
Weight:	175 tons
Date of completion:	2014
Manufacturing company:	Benson Industries, Portland, Oregon (facade builder) together with Christan Pohl, Cologne, Germany (panel manufacturer)
Material supplier:	Outokumpu