The internal cladding of The Sage includes 10,200 m² of stainless steel, made up of 3,043 panels, all of slightly different trapezoidal shape. The surface treatment, carried out during cold rolling, produced the linen embossed finish. Stainless steel was the most suitable material to realise the unique appearance of the building design and to ensure longevity of performance in this potentially harsh environment, close to the coast.

LOCATION/ENVIRONMENT
UK - outdoor (urban riverside, near coast)

PRODUCT
Cold rolled, bright annealed stainless steel sheet

FABRICATION PROCESS
Flat rectangular panels, cut to tight dimensional tolerances, to fit the grid plan of the roof. Underside of sheets ground-polished to provide key for adhesive bonding to built-up insulated panel system below.

GRADE
EN 1.4401/AISI 316 (17Cr-12Ni-2Mo)

SURFACE
Bright annealed with 1-side fine linen pattern rolled texture

COMPETING MATERIAL
Aluminium

DATE OF COMPLETION

MANUFACTURING COMPANY
Waagner Biro Stahl-Glas-Technik AG
Architect: Foster & Partners

MATERIAL SUPPLIER
ThyssenKrupp Stainless

SOURCE OF INFORMATION
British Stainless Steel Association (BSSA)

REMARKS
Integrated insulated roofing & cladding system developed for the project, using 0.8 mm thick stainless steel outer skin.