



INDUSTRIAL MACHINERY

Evaporators for multi-effect distillation

The dual-duplex concept combines the excellent properties of different duplex stainless steel grades into an optimal construction. In this example, the more corrosion resistant grade 2205 is exposed to the hostile conditions. Grade 2304 is used where the environment is less corrosive.

The benefits of using duplex include improved corrosion resistance and higher strength, compared to conventional austenitic stainless steels. Duplex chambers can be built with thinner plates, resulting in less material, less bevelling and welding, easier handling and lower environmental impact. By using the dual-duplex concept, considerable cost savings are possible.

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LOCATION/ENVIRONMENT SWEDEN/OUTDOOR

PRODUCT HOT ROLLED STAINLESS STEEL PLATES

FABRICATION PROCESS WELDING

GRADE 2304 AND 2205

SURFACE 1D

COMPETING MATERIAL SOLID 316L

DATE OF COMPLETION STILL UNDER CONSTRUCTION

MANUFACTURING COMPANY SIDEM

MATERIAL SUPPLIER OUTOKUMPU AND OTHERS

SOURCE OF INFORMATION EURO INOX

REMARKS THE IMAGE SHOWS HIDD III, THE WORLD'S LARGEST MULTIPLE-EFFECT DISTILLATION PLANT WHICH IS UNDER CONSTRUCTION.